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STATE OF ILLINOIS

DEPARTMENT OF REGISTRATION AND EDUCATION

# PETROLEUM INDUSTRY IN ILLINOIS, 1976

## Part I. Oil and Gas Developments

Jacob Van Den Berg

## Part II. Waterflood Operations

T. F. Lawry

ILLINOIS PETROLEUM 112

ILLINOIS STATE GEOLOGICAL SURVEY

1977

URBANA, IL 61801

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DEPARTMENT OF REGISTRATION AND EDUCATION

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#### ACKNOWLEDGMENTS

The cooperation of many individuals and companies in the oil and gas industry make this report possible. We appreciate their cooperation.

# PETROLEUM INDUSTRY IN ILLINOIS, 1976

JACOB VAN DEN BERG and T. F. LAWRY

## ABSTRACT

Illinois produced 26,272,151 barrels of crude oil in 1976, an increase of 0.8 percent from 1975. In 1976, the estimated average price per barrel of crude oil produced in Illinois was \$10.18; the estimated value of the oil produced in Illinois in 1976 was \$267,000,000.

The number of new holes drilled to test for oil and gas was 1,257, an increase of 38 percent from 1975. These tests resulted in 721 oil wells, 11 gas wells, and 525 dry holes. In addition, 45 former dry holes were reworked, or deepened, and recompleted as oil producers, and 18 former producers were reentered and recompleted as producers in new pay zones (17 oil, 1 gas). In connection with oil and gas exploration and development, total footage drilled in 1976, including service wells and structure tests, was 3,266,193, an increase of 32.1 percent from 1975.

Of the 1,257 new tests for oil and gas, 198, or 15.8 percent, were half a mile or more from production (wildcats); 22 wildcats were completed as producers, a success ratio of 11.1 percent. Eighty-six of the wildcats were more than  $1\frac{1}{2}$  miles from production (wildcat fars); 7 wildcat fars were completed as producers, a success ratio of 8.1 percent.

In 1976, 341 service wells (water input, salt water disposal, etc.) were reported, an increase of 47.5 percent from 1975. 211 new wells were drilled as service wells; 130 old wells, most of them former producers, were converted to service wells. In connection with the underground storage of natural gas, the gas industry reported 131 well completions; in connection with liquefied petroleum gas storage, there were 3 well completions. These completions included 71 structure tests, 42 injection and withdrawal wells, 18 new service wells, and 3 old wells converted to service wells.

Seven oil fields, 21 extensions to fields, and 23 new pay zones in existing fields were discovered in 1976.

Ten new waterfloods were added and 12 waterfloods were abandoned in 1976.

New projects increased the area subject to fluid injection by 2,169 pay acres; extension or re-evaluation of older projects added 2,097 pay acres. Area that is now subject to fluid injection, including abandoned projects, is 52.4 percent of the total productive pay area in the state.

Secondary recovery produced 16,810,700 barrels of crude oil. Waterfloods accounted for 16,607,900 barrels, or 63.2 percent of the state total, and pressure maintenance projects produced 202,800 barrels, or 0.8 percent of the state total.

## Part I. Oil and Gas Developments

Jacob Van Den Berg

### INTRODUCTION

This report is similar in form to the annual reports of recent years. Information about crude oil production, exploratory and development drilling, crude oil reserves, productive acreage, gas production, and underground storage of natural gas and liquefied petroleum gas is included in Part I.

Maps of the Illinois oil and gas fields do not appear in this report but, except for subsequent developments, may be found in the report for 1970 (Van Den Berg and Lawry, 1971).

However, a map (scale 1 inch = approximately 6 miles) showing Illinois oil and gas fields (but not showing secondary recovery operations) as of January 1, 1977 is available for inspection at the Survey. Ozalid copies of this map may be purchased from the following reproduction establishments:

Dean's Superior Blueprint, Inc.  
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### OIL PRODUCTION AND VALUE

Illinois produced 26,272,151 barrels of crude oil in 1976, 205,499 barrels more than in 1975, an increase of 0.8 percent. This increase

in production reverses a steady decline in production that began in 1963.

Table 1A lists, by counties, the number of holes drilled, the footage drilled, and the oil production in 1976. Holes drilled are classified as tests for oil and gas, service wells, and structure tests. Table 8 lists the oil production and other data for each of the oil fields in Illinois.

Crude oil production figures by fields are received from one source, the production figure for the state as a whole from another. The latter source is believed more accurate insofar as the state's production as a whole is concerned. The discrepancy in the two figures accounts for the 581,168 barrels of crude oil for which the field and county assignments are unknown (tables 1A and 8).

The eight counties that had more than one million barrels of oil production each in 1976 accounted for 70 percent of the total oil production of Illinois; they are:

County	1976 production (bbl)	Percentage of state total
Lawrence	3,253,280	12.4
Wayne	3,119,698	11.9
White	3,108,138	11.8
Marion	2,990,267	11.4
Fayette	2,460,452	9.4
Clay	1,236,074	4.7
Crawford	1,134,192	4.3
Wabash	1,076,637	4.1
Total	18,378,738	70.0

The oil fields in Illinois that produced more than 300,000 barrels of oil each in 1976



accounted for 67.3 percent of the state's total production; they are:

Field (C = Consolidated)	1976 production (bbl)	Percentage of state total
Southeastern Illinois oil field*	4,717,493	18.0
Clay City C	3,770,516	14.3
Salem C	2,800,727	10.7
Louden	2,254,116	8.6
New Harmony C	1,636,933	6.2
Sailor Springs C	683,989	2.6
Phillipstown C	601,602	2.3
Roland C	508,370	1.9
Johnsonville C	366,085	1.4
Dale C	339,207	1.3
Total	17,679,038	67.3

\*Comprising Allendale and Main Consolidated fields, and Clark County and Lawrence County Divisions in table 8.

The estimated average price per barrel of Illinois crude oil produced in 1976 was \$10.18; the estimated value of the oil produced in Illinois in 1976 was \$267,000,000.

#### 1976 DRILLING

In 1976, 1,655 wells were completed in connection with oil and gas exploration and development (table 1A), an increase of 41.8 percent from 1975. These wells include new holes drilled as oil and gas tests, former dry holes reworked, or deepened, and completed as producers, former producers reworked, or deepened, and recompleted as producers in new pay zones, new holes drilled as service wells and old holes converted to service wells, and wells drilled for structure tests. In addition, the gas industry reported 134 well completions in 1976; 131 were in connection with the underground storage of natural gas and 3 were in connection with liquefied petroleum gas storage (table 1B). The well completions consisted of 71 structure tests, 42 injection and withdrawal wells, 18 new service wells, and 3 old wells converted to service wells.

In testing for oil and gas, 1,257 new holes were drilled in 1976, an increase of 38 percent from 1975. Wells in waterflood projects are included. One hundred thirty-five of the wells were in connection with Maraflood tertiary recovery in

Main Consolidated field, Crawford County. The 1,257 new oil and gas tests resulted in 721 oil wells, 11 gas wells, and 525 dry holes. In addition, 45 former dry holes were reworked, or deepened, and recompleted as oil producers, and 18 former producers were reentered and recompleted as producers in new pay zones (17 oil, 1 gas). Three hundred forty-one service wells (water input, salt water disposal, etc.) were reported in 1976, an increase of 47.5 percent from 1975; 211 new wells were drilled and 130 old wells, most of them former producers, were converted to service wells. One hundred eighteen of the service wells were in connection with Maraflood tertiary recovery in Main Consolidated field, Crawford County.

Twelve structure tests were drilled in connection with oil exploration.

Of the 102 counties in Illinois, 52 had new holes drilled for oil and gas tests in 1976. Nine counties had 25 or more tests each and accounted for 70.6 percent of the total number of tests: Crawford (207), Wayne (154), Clay (127), White (102), Wabash (99), Lawrence (86), Edwards (50), Fayette (32), and Marion (30).

Total footage drilled in 1976 in connection with oil and gas exploration and development, including service wells and structure tests, was 3,266,193, an increase of 32.1 percent from 1975. For the 1,257 new oil and gas tests, the total footage drilled was 3,031,482, an average of 2,412 feet per well. In 1975 it was 2,523 feet per well. This decline in average footage, at least in part, is the result of the large number of shallow wells drilled in Crawford County in connection with tertiary recovery. If Crawford County wells and footage are excluded, the average depth in 1976 was 2,665 feet as compared with 2,692 feet in 1975.

#### Discoveries

Seven oil fields, 21 extensions to fields, and 23 new pay zones in existing fields (fig. 1; tables 2, 3, and 4) were discovered in Illinois in 1976. Four of the new fields produce from the Mississippian, 1 from the Devonian, 1 from the Silurian, and 1 from the Devonian and "Trenton" (Ordovician). Of the 23 new pay zones, 1 is Pennsylvanian, 21 are Mississippian (4 Chesterian, 17 Valmeyeran), and 1 is Ordovician. None of the 1976 discoveries adds significantly to reserves in Illinois. At the end of the year, of the new fields, Enfield North in White County had

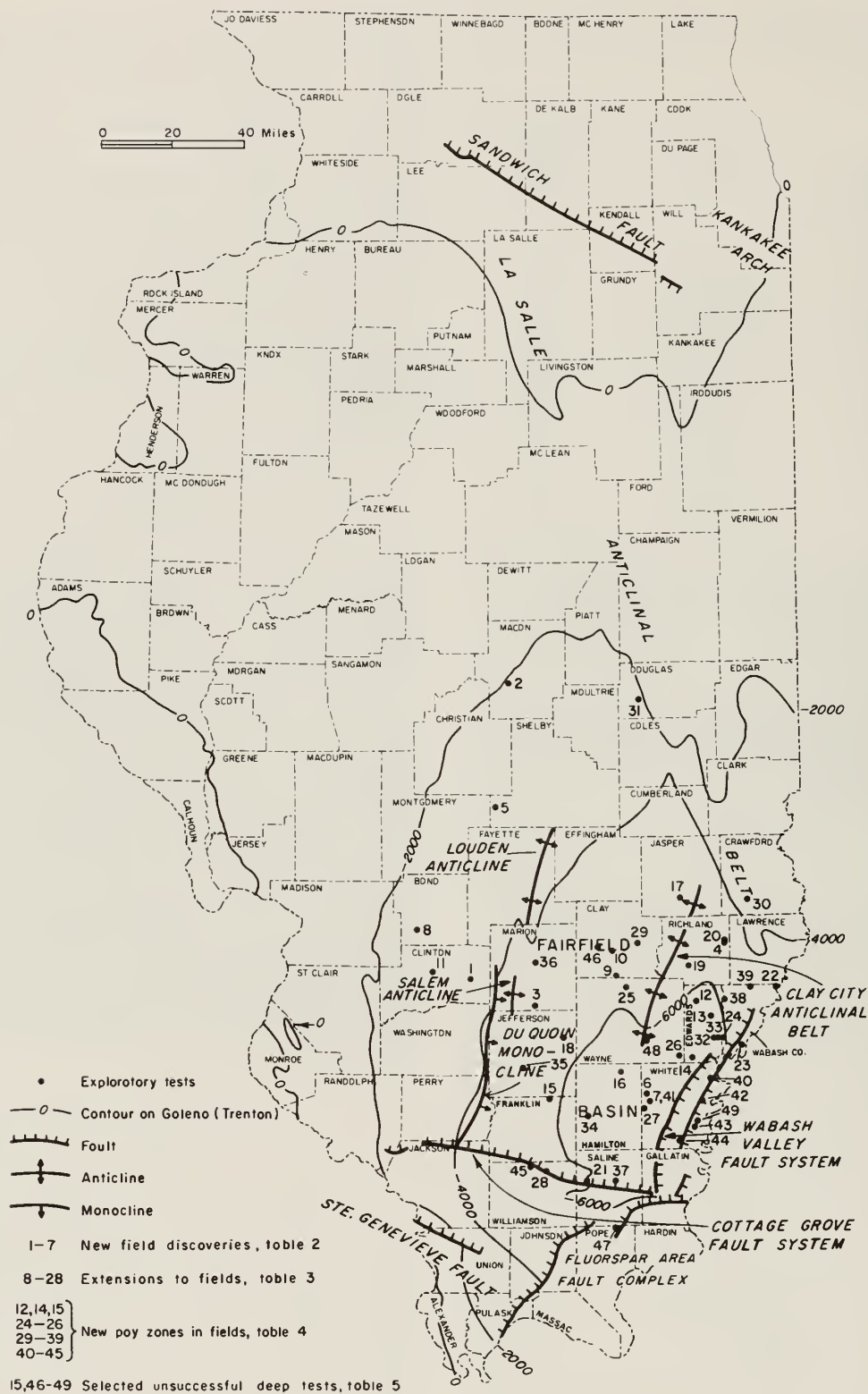


Figure 1. Major tectonic features of Illinois and their relations to significant holes drilled during 1976. Numbered holes shown are listed in tables 2, 3, 4, and 5.



five wells with total initial production of 410 barrels of oil per day, and Hadley in Richland County had five wells with total initial production of 159 barrels of oil per day. Springerton South field in White County was discovered near the end of the year; its one well had an initial production of 90 barrels per day. The other new fields each had three or less wells with small initial production figures.

### Exploration

Of the 1,257 new tests for oil and gas, 198 (15.8 percent) were half a mile or more from production (wildcats). Twenty-two of the wildcats were completed as producers, a success ratio of 11.1 percent. Of the 112 tests drilled between  $\frac{1}{2}$  and  $1\frac{1}{2}$  miles from production (wildcat nears), 15 were producers, a success ratio of 13.4 percent; the 86 tests drilled more than  $1\frac{1}{2}$  miles from production (wildcat fars) resulted in 7 producers, a success ratio of 8.1 percent.

Of the 52 counties in which new oil and gas tests were drilled in 1976, 47 had at least one wildcat test, including wildcat nears and wildcat fars. White County led with 18 wildcats, followed by Marion (15), Washington (10), Clay and Clinton (8 each), Edgar, Lawrence, Perry, and Saline (7 each), Franklin, St. Clair, and Williamson (6 each), and Clark (5). Of the wildcat fars drilled, Marion and Washington Counties led with 6 each, followed by Clark (5), and Clinton, Shelby, and White (4 each).

Of the 86 wildcat fars reported in 1976, 45 tested rocks below the Mississippian: 13 tested Devonian, 20 Silurian, and 12 Ordovician. Not included in these figures is a wildcat far in Pope County that was drilled to a total depth of 14,920 feet and for which the information is confidential.

Deeper production was discovered in 11 fields in 1976: Ohara production in Enfield North field, White County; Spar Mountain production in Goldengate East field, Wayne County; McClosky production in Bourbon Consolidated field, Douglas County; St. Louis production in Phillipstown Consolidated field, White County; St. Louis and Ullin ("Warsaw") production in Ewing East field, Franklin County; Salem production in Samsville West field, Edwards County, in Rural Hill North field, Hamilton County, in Browns East field, Wabash County, in Rinard North field, Wayne County, and in Herald Consolidated field, White County; and "Trenton" production in Main Consolidated field, Crawford County.

In 33 fields there were unsuccessful tests to find deeper production in 1976. The deepest zones tested and the fields are as follows: McClosky in Stirtz field; St. Louis in Hadley, Massilon South and Orchardville North fields; Salem in Albion Consolidated, Albion West, Bone Gap Consolidated, Calhoun South, Evers, Iola Consolidated, Johnsonville West, Lancaster South, Pinkstaff East, Sailor Springs Consolidated, and Schnell fields; Ullin ("Warsaw") in Barnhill, Ewing, Johnsonville Consolidated, Lawrence West, Maple Grove Consolidated, Marcoe, Maunie North Consolidated, Parkersburg Consolidated, Phillipstown Consolidated, Rural Hill North, and Trumbull Consolidated fields; Devonian in Bourbon Consolidated, Concord Consolidated, Elkville, Iola South, and Mt. Carmel fields; Dutch Creek (Devonian) in Clay City Consolidated field; and Silurian in Eden field.

An important feature of the activity in Illinois in 1976 was the drilling for Salem (Valmeyeran) production. One hundred six Salem oil producers were completed in 20 fields in 10 counties. Of the fields, Clay City Consolidated led with 59 Salem completions, followed by Johnsonville South with 18; of the counties, Wayne led with 70, followed by Clay with 17. Initial production figures for the Salem wells varied greatly. The greatest production was 500 barrels per day from a well in Clay City Consolidated field. The average production for all Salem wells (excluding 8 wells with multiple pays in which production is comingled) was 67 barrels per day. In 1976, Salem production was an important factor in reversing the decline in Illinois production.

Main Consolidated and Lawrence fields are located along the southern end of the La Salle Anticlinal Belt in southeastern Illinois, Crawford, Jasper, and Lawrence Counties. Both fields were discovered in 1906.

In 1941 Devonian production in the Main Consolidated field was discovered at about 2,900 feet. At the end of 1975, only three Devonian wells had been completed. In 1976, eight Devonian producers were completed with an average initial production of about 94 barrels of oil per day; one well had initial production of 442 barrels of oil per day. Also in 1976, "Trenton" production was discovered in the field (table 4; fig. 1). After the discovery well was perforated opposite the "Trenton", in the interval between 3,892 and 3,976 feet, the well filled up with 38 gallons of oil overnight. It was then treated with 1,000 gallons of acid and fractured with 51,000 gallons of water and 161,000 pounds of sand, after which

it flowed an estimated 270 barrels of oil per day. Several months after completion of the well, production had not declined. At the end of 1976, there was only one "Trenton" well in the field, but a number of permits to test the "Trenton" have been issued.

Another interesting and potentially significant development in Main Consolidated field in 1976 was the completion of six producing wells in Sections 1 and 2, T. 5 N., R. 13 W., about two miles southeast of the town of Hardinville, Crawford County. Production is from basal Pennsylvanian sandstone occupying an erosional valley in the underlying Mississippian rocks at a depth of about 1,300 feet. Reported initial production figures of the individual wells ranged from 67 to 126 barrels per day. The areal extent of the pool has not been determined, and development is expected to continue in 1977.

In 1975, Devonian production in the Lawrence field was discovered at about 3,000 feet. One Devonian well was completed in 1975 and 11 were completed in 1976. Initial production averaged about 47 barrels of oil per day; one well initiated for 150 barrels of oil per day.

#### FIELDS REVIVED AND ABANDONED

Eight abandoned fields were revived by successful drilling in 1976: Albion West, Edwards County; Bourbon South, Douglas County; Ewing and Ewing East, Franklin County; Lancaster East, Wabash County; Newton North, Jasper County; Parkersburg West, Richland and Edwards County; and Rural Hill North, Hamilton County.

Six fields, with a combined total of 41 wells and a combined cumulative production of 644,000 barrels of oil, were abandoned in 1976. They are Broughton South, Saline County; Lancaster Central, Wabash County; Rose Hill, Jasper County; Rushville Northwest, Schuyler County; Samsville North, Edwards County; and Stringtown South, Richland County. Lancaster Central had 16 wells and a cumulative production of 376,500 barrels of oil. Samsville North had 16 wells also, with cumulative production of 259,200 barrels. All other abandoned fields had combined cumulative production of less than 10,000 barrels.

#### GEOLOGIC COLUMN

Figure 2 is a generalized geologic column of southern Illinois. It does not show the Pleistocene deposits that cover much of Illinois bedrock, the Tertiary and Cretaceous rocks that occur

in a belt across the southern end of the state, nor the approximately 4,000 feet of Ordovician and Cambrian rocks between the base of the St. Peter Sandstone and the top of the Precambrian basement. Pay zones are indicated on the geologic column by black dots.

#### CRUDE OIL RESERVES

Estimated crude oil reserves declined 6.2 million barrels or 4.6 percent from reserves at the end of 1975, as a result of 1976 production and the addition of 20.1 million barrels of oil reserves from extensions, deeper pays, infill drilling and new fields. The additions to reserves are equivalent to 74.9 percent of the oil produced during 1976.

	Millions of barrels
Estimated reserves, 1-1-76	134.4
Withdrawn by 1976 production	26.3
Remainder after production	108.1
Revisions	
New pay zones, extensions, infill drilling and new fields	20.1
Estimated reserves, 1-1-77	128.2

#### PRODUCTIVE ACREAGE

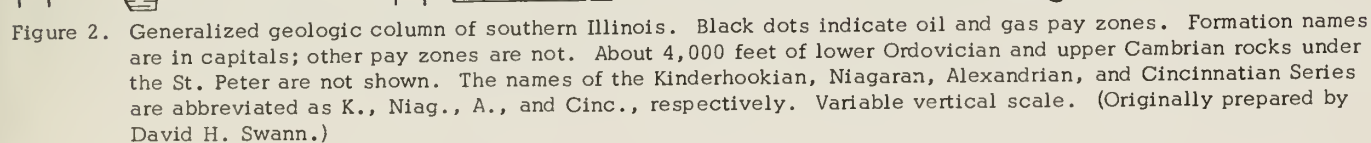
An estimated 5,100 acres were added to the area productive of oil, and an estimated 190 acres were added to the area productive of natural gas in Illinois in 1976. The total area in Illinois that has proven productive of oil is 604,610 acres and of gas, 36,090 acres.

In Illinois the normal spacing pattern for oil wells producing from depths less than 4,000 feet is 10 acres per well for production from sandstone and 20 acres per well for production from limestone. The Oil and Gas Act makes possible (under certain circumstances) the establishment of drilling units for production from less than 4,000 feet deep. The spacing is fixed at not less than 10 acres nor more than 40 acres per well. For wells producing from depths between 4,000 and 6,000 feet, the spacing is 40 acres per well. For wells producing from depths greater than 6,000 feet, it is 160 acres per well.

#### GAS PRODUCTION

Approximately 1,556 million cubic feet of natural gas was produced and marketed in Illinois





in 1976, about 116 million cubic feet more than in 1975.

From Eldorado Consolidated, Eldorado East, and Harco South fields in Saline and Gallatin Counties, the natural gas, 75.8 million cubic feet, was sold in the Eldorado and Harrisburg area. From Herald Consolidated field in Gallatin County, 4.8 million cubic feet was sold in the Carmi area. From Johnston City East and Stiritz fields in Williamson County, 68.6 million cubic feet was sold in Murphysboro, Carbondale, Benton, and DuQuoin. The production from Mattoon field in Coles County, 1,198.5 million cubic feet, was sold in the Effingham, Mattoon, and Paris areas. Raleigh field production, 18.3 million cubic feet of natural gas, was sold to cities in Gallatin County. The production from Stubblefield South field, 190.5 million cubic feet, was sold to the Illinois Power Company system.

#### UNDERGROUND STORAGE OF LIQUEFIED PETROLEUM GAS

Twelve caverns, which resulted from the mining of shale or limestone, provide storage capacity for 3,174,000 barrels of liquefied petroleum gases in Illinois (table 6). Propane, butane, propylene, and ethane are the gases being stored.

#### UNDERGROUND STORAGE OF NATURAL GAS

In Illinois at the end of 1976, 39 underground natural gas storage projects either were operating, were being developed, or were being tested. Several reservoirs were being studied

for their gas storage possibilities. Gas is stored in rocks of Pennsylvanian through Cambrian age at depths from 350 to 4,000 feet.

Table 7 lists information about active Illinois storage projects. These storage facilities could hold as much as 1.5 trillion cubic feet of gas. The amount of this capacity that is likely to be used depends upon the availability of gas; ultimately, about 1.2 trillion cubic feet probably will be used. The amount of gas actually in storage at the end of 1976 was about 740 billion cubic feet. About one-third of this was working gas and two-thirds was cushion gas, which is not readily available for withdrawal and delivery to customers.

#### SURFACE STORAGE OF LIQUEFIED NATURAL GAS

A facility for the liquefaction and storage of natural gas at the Manlove Gas Storage Field, Mahomet, Illinois, is being operated by the Peoples Gas Light and Coke Company.

Two above-ground tanks are each capable of containing, as liquefied natural gas, the equivalent of one billion cubic feet of pipeline natural gas measured at standard conditions of temperature and pressure.

#### REFERENCE

Van Den Berg, Jacob, and T. F. Lawry, 1971, Petroleum Industry in Illinois, 1970: Illinois Geological Survey Illinois Petroleum 97, 126 p.

TABLE 1A. Summary of oil and gas drilling activity and oil production in 1976

County	Production tests							Service wells						
	Permits to drill	Total comple- tions	OWWO					New ser- vice wells	Conversions		Footage drilled	Struc- ture tests	Total footage drilled	Total oil production (bbl)
			New holes		D&A to prod.*	Prod. to prod. in new pay zones*	Footage drilled		Were prod.	Other†				
			Prod.*	D&A										
Adams	7	7	2	5	-	-	5,362	-	-	-	-	-	5,362	3,261
Bond	16	10	7	3	-	-	11,692	-	-	-	-	-	11,692	48,373
Brown	6	4	1	3	-	-	2,545	-	-	-	-	-	2,545	2,838
Cass	-	1	-	1	-	-	770	-	-	-	-	-	770	-
Christian	15	20	2	6	-	-	16,283	-	12	-	-	-	16,283	330,952
Clark	49	22	11	8	-	-	26,505	-	3	-	-	-	26,505	346,387 ‡
Clay	145	148	85	42	8	4	395,521	-	8	5	716	-	396,237	1,236,074
Clinton	35	24	7 (1)	13	2	1	41,423	-	1	-	-	-	41,423	416,341
Coles	23	18	8	4	-	1 (1)	24,053	1	1	-	266	4	25,992	184,092
Crawford	172	350	187	20	-	-	233,400	129	9	1	126,776	4	364,209	1,134,192
Cumberland	10	17	2	4	-	-	12,633	10	-	-	3,808	1	16,851	‡
De Witt	2	2	-	2	-	-	3,257	-	-	-	-	-	3,257	146,545
Douglas	7	9	2	5	1	-	13,079	-	-	-	-	1	13,239	16,632
Edgar	20	20	3 (4)	11	-	-	12,834	-	-	-	-	2	13,224	104,169
Edwards	56	55	32	18	3	1	157,407	-	1	1	-	-	157,407	554,700
Effingham	21	14	5	6	-	1	30,107	1	2	-	2,474	-	32,581	210,641
Fayette	66	34	23	9	2	5	59,816	-	-	-	-	-	59,816	2,460,452
Franklin	39	26	5	14	1	-	66,245	3	3	-	6,594	-	72,839	424,238
Gallatin	27	19	4	9	-	-	35,864	2	2	2	2,891	-	38,755	461,842
Greene	1	1	-	1	-	-	422	-	-	-	-	-	422	-
Hamilton	22	18	4	11	-	-	51,841	1	2	-	3,206	-	55,047	514,544
Hancock	2	2	-	2	-	-	1,415	-	-	-	-	-	1,415	-
Henderson	-	1	-	1	-	-	1,030	-	-	-	-	-	1,030	-
Jackson	3	3	-	3	-	-	10,199	-	-	-	-	-	10,199	2,939
Jasper	21	14	7	3	3	-	30,331	-	1	-	-	-	30,331	577,331
Jefferson	25	18	8	8	-	1	48,231	-	2	-	-	-	48,231	705,255
Johnson	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lawrence	172 †	142	61	25	1	1	198,718	51	4	-	60,305	-	259,023	3,253,280
McDonough	3	1	-	1	-	-	750	-	-	-	-	-	750	33,963
McLean	2	1	-	1	-	-	1,203	-	-	-	-	-	1,203	-
Macon	11	10	3	7	-	-	21,264	-	-	-	-	-	21,264	15,294
Macoupin	5	3	-	2	-	-	950	1	-	-	505	-	1,455	6,730
Madison	17	14	2	9	2	-	10,739	1	-	-	186	-	10,925	93,656
Marion	66	50	7	23	1	1	82,752	-	19	-	71	-	82,823	2,990,267
Monroe	13	3	1	-	-	-	386	1	-	1	520	-	906	686
Montgomery	4	1	-	1	-	1	880	-	-	-	-	-	880	761
Morgan	1	1	-	1	-	-	825	-	-	-	-	-	825	-
Moultrie	1	2	-	2	-	-	5,217	-	-	-	-	-	5,217	2,167
Perry	4	9	1	8	-	-	13,314	-	-	-	-	-	13,314	17,284
Piatt	2	2	-	2	-	-	4,193	-	-	-	-	-	4,193	-
Pope	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Randolph	3	3	1	2	-	-	6,798	-	-	-	-	-	6,798	65,916
Richland	47	38	9	13	-	1	69,747	1	9	6	250	-	69,997	960,022
St. Clair	6	12	- (6)	6	-	-	11,739	-	-	-	-	-	11,739	31,492
Saline	21	20	9	11	-	-	59,093	-	-	-	-	-	59,093	204,009
Sangamon	31	24	9	15	-	-	42,834	-	-	-	-	-	42,834	155,667
Schuyler	-	1	-	1	-	-	576	-	-	-	-	-	576	-
Shelby	2	8	3	4	-	-	21,897	-	1	-	-	-	21,897	46,271
Tazewell	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermilion	1	1	-	1	-	-	1,464	-	-	-	-	-	1,464	-
Wabash	124	117	48	51	7	1	231,048	3	6	2	5,039	-	236,087	1,076,637
Washington	22	19	2	17	-	-	30,802	-	-	-	-	-	30,802	500,852
Wayne	237	173	103	51	7	3	581,586	1	10	1	3,850	-	585,436	3,119,698
White	162	127	51	51	7	3	340,997	4	12	2	9,705	-	350,702	3,108,138
Williamson	11	16	6	8	-	-	37,599	1	-	1	1,670	-	39,269	126,395
Production, location unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	581,168
Total	1,761	1,655	721 (11)	525	45	17 (1)	3,069,636	211	108	22	228,832	12	3,305,134	26,272,151

\*Gas in parentheses; not included in totals.

†Former D&amp;A and other types of wells, except former producers.

‡Production is combined for Clark and Cumberland Counties.



TABLE 1B. Summary of underground natural gas storage drilling activity in 1976\*

County	Permits issued	Total completions	Injection and withdrawal wells		Service wells		Footage
			New wells	Conversions	New wells	Conversions	
Champaign	11	20	18	2	-	-	77,444
Douglas	-	3	3	-	-	-	13,570
Fayette	-	2	-	-	-	2	2,639
Iroquois	1	1	-	-	1	-	545
Kankakee	2	6	2	-	3	1	9,323
La Salle	4	-	-	-	-	-	-
Livingston	-	10	6	-	4	-	23,941
McDonough	3	3	2	-	1	-	8,516
McLean	13	17	8	-	9	-	71,599
Montgomery	1	1	1	-	-	-	3,300
TOTALS	35	63	40	2	18	3	210,877

\*In connection with underground storage of natural gas, 61 structure test permits were issued, 68 structure test were drilled, with total footage of 53,397. In connection with liquefied petroleum gas storage, 3 structure tests, with total footage of 1,348, were drilled.

TABLE 2. Seven new field discoveries in 1976

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod., oil/wtr. (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Comple- tion date
1	Clinton 19-2N-1W	Ego Oil Co., Inc #1 Paul Defend	Ferrin	5/6	Devonian Trenton	2,845 3,944	3,956	11-13
2	Macon 36-16N-1E	W. Andrew Corley #1 Howard Hill	Harristown S	10/2	Silurian	2,153	2,195	8-8-75
3	Marion 30-1N-3E	G.A.M. Oil Co. #1 Jerry Phillips	Kell N	15	St. Louis Salem	2,696 2,772	3,118	5-9
4	Richland 35-4N-14W	C.E.R. Production Co. #1 Pierce-Shafer	Hadley	51	Spar Mtn.	2,979	2,986	6-8
5	Shelby 20-10N-1E	C.E. Brehm Drlg. & Prod. #1 Vincent Sommer	Oconee	20/20	Devonian	2,848	3,139	3-1-75
6	White 32-4S-8E	R K Petroleum Corp. #1 Orr et al.	Springerton S	90	Spar Mtn.	3,446	3,500	11-1
7	White 9-5S-8E	R K Petroleum Corp. #2 Willard Brockett, Jr.	Enfield N	161	Aux Vases	3,333	3,337	8-8

TABLE 3. Discovery wells of 21 extensions to fields in 1976  
(C, Consolidated; E, East; N, North; S, South; W, West)

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Comple- tion date	Remarks
8	Bond 11-4N-4W	Dolphin Oprtg. Co., Inc. #1 McCasland et al. Unit	Stubblefield S	192	Devonian	2,212	2,219	11-4	
9	Clay 14-2N-6E	Republic Oil Co., Inc. #3 L. Valbert	Flora SE	20/5	McClosky	3,119	3,179	9-11	OWWO, OTD 3,179; was D&A.
10	Clay 10-3N-6E	Comanche Oil Corp. #1 Eade	Louisville S	100/100	Aux Vases	2,837	4,740	3-31	OWDD, OTD 3,093; was D&A.
11	Clinton 9-2N-3W	Leland Monken #1 Gregory Buss	Carlyle	4/6	Cypress	975	1,103	8-24	OWWO, OTD 1,103; was D&A.
12	Edwards 22-1N-10E	Spartan Petr. Co. #1 Leonard Garman	Samsville W	8	Salem	3,863	4,015	7-27	New pay in field.
13	Edwards 7-1S-14W	M. V. Ring #1 Kelsey	Bone Gap C	7	Ohara	3,127	3,742	2-24	
14	Edwards 9-3S-10E	M. V. Ring #1 H. Hoover	Albion W	30	Ohara	3,230	3,314	12-7	New pay in field.
15	Franklin 2-5S-3E	C. E. Brehm Drlg. & Prod. #1 Clayton Heirs Comm.	Ewing E	104/70	St. Louis Ullin	3,270 3,885	9,511	10-12	St. Louis & Warsaw, new pays in field.
16	Hamilton 31-3S-7E	Oilfield Research, Inc. #2 Evelyn E. Leach et al.	Aden S	8/19	McClosky	3,424	3,459	4-6	
17	Jasper 25-6N-9E	Donald E. Schmitt #1 N. Ochs	Clay City C	13	McClosky	2,968	3,035	5-20	
18	Jefferson 9-2S-4E	Fletcher F. Farrar #1 Farrar	Oakdale N	16	McClosky	2,998	3,030	10-12	
19	Richland 32-3N-10E	Spartan Petr. Co. #1 Runyon et al.	Calhoun C	20/20	Salem	3,824	3,965	11-7	
20	Richland 26-4N-14W	C.E.R. Production Co. #1 McCaw	Hadley	41	Spar Mtn.	2,986	3,014	9-22	
21	Saline 33-8S-5E	Santoro Oil Co., Inc. #1 R. L. Owen et al.	Harco	60	Cypress	2,627	3,076	6-9	
22	Wabash 31-2N-11W	Gilbert A. Higgins #1 Roscoe Schafer	Allendale	3/100	Salem	2,586	5,143	10-1-74	OWWO, OTD 5,143; was D&A.
23	Wabash 22-2S-13W	Andy G. Hocking #1 Kieffer-Waddle Comm.	Keensburg S	10/5	Salem	3,222	3,365	12-3	OWDD, OTD 2,447; was D&A.
24	Wabash 10-2S-14W	Andy G. Hocking #1 Fred Hocking	Browns E	8/30	Salem	3,422	3,650	11-9	New pay in field.
25	Wayne 32-2N-7E	Perry Fulk #1 Knapp	Rinard N	35/175	Salem	3,812	3,950	8-1	New pay in field.
26	Wayne 2-3S-9E	Farmers Petr. Coop., Inc. #1 Michels-Raester Comm.	Goldengate E	24	Spar Mtn.	3,342	3,411	4-5	OWWO, OTD 3,411; was D&A. New pay in field.
27	White 19-5S-8E	J. D. Turner #2 R. J. Wilson Comm.	Enfield	168	Aux Vases	3,357	3,384	1-13	
28	Williamson 15-8S-3E	C. E. Brehm Drlg. & Prod. #1 Mutual Oil & Gas	Johnston City E	24/120	Spar Mtn.	2,737	2,757	5-6-75	

TABLE 4. Discovery wells of 23 new pay zones in fields in 1976  
(C, Consolidated; E, East; N, North; S, South; W, West)

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	New pay zone	Prod. depth (ft)	Total depth (ft)	Comple- tion date	Remarks
29	Clay 35-4N-7E	James C. Franklin #1 R. Franklin	Sailor Springs C	240	Jackson	2,551	3,490	4-27	
30	Crawford 35-6N-13W	Lamar Properties #1-A A. J. Shipman	Main C	270	Trenton	3,976	4,004	12-21	
31	Douglas 24-15N-7E	Elton M. Botts #M-1 Jones	Bourbon C	16	McClosky	1,715	1,729	8-15	
12	Edwards 22-1N-10E	Spartan Petroleum Co. #1 Leonard Gorman	Samsville W	8	Salem	3,863	4,015	7-27	Extension to field.
32	Edwards 8-2S-14W	Raymond A. Messman #2-A R. A. Messman	Browns S	40	Waltersburg	2,332	3,035	7-15-75	
33	Edwards 9-2S-14W	Raymond A. Messman #3 R. A. Messman	Browns S	oil well	Ohara	3,022	3,035	12-3	
14	Edwards 9-3S-10E	M. V. Ring #1 H. Hoover	Albion W	30	Ohara	3,230	3,314	12-7	Extension to field.
15	Franklin 2-5S-3E	C. E. Brehm Drlg. & Prod. #1 Clayton Heirs Comm.	Ewing E	104/70	St. Louis Ullin	3,270 3,885	9,511	10-12	Extension to field.
34	Hamilton 34-5S-5E	Juniper Petr. Corp. #58-34 Dunn et al.	Rural Hill N	30/115	Salem	3,938	4,300	6-8	Produces from Cypress also.
35	Jefferson 22-3S-2E	Leo Dare #1 J. W. Dare	Marcoe	7/8	Spar Mountain	2,718	2,765	8-16	OWWO, OTD 2,765; was McClosky prod.
36	Marion 30-3N-3E	Kenneth E. Beeman #5 Foster	Brubaker	4/18	St. Louis	2,589	2,589	9-6-74	
37	Saline 35-8S-6E	John L. Jehle #1 De Villez	Eldorado C	16	Degonia	1,704	2,505	2-17	
38	Wabash 15-1N-14W	Louis A. Pessina #1 Clodfelter et al. Comm.	Gards Point C	5	McClosky	2,909	3,730	12-7	
39	Wabash 36-2N-13W	Abell Ltd. #1 Abell-Wilber Comm.	Lancaster E	9/3	Buchanan	1,412	1,412	8-20	OWWO, OTD 1,863 was D&A. Produces from Bridgeport also.
24	Wabash 10-2S-14W	Andy G. Hocking #1 Fred Hocking	Browns E	8/30	Salem	3,422	3,650	11-9	Extension to field.
25	Wayne 32-2N-7E	Perry Fulk #1 Knapp	Rinard N	35/175	Salem	3,812	3,950	8-1	Extension to field.
26	Wayne 2-3S-9E	Farmers Petr. Coop., Inc. #1 Michels-Racster Comm.	Goldengate E	24	Spar Mountain	3,342	3,411	4-5	OWWO, OTD 3,411 was D&A. Exten- sion to field.
40	White 7-4S-14W	Absher Oil Co. #12 Garfield Parson	Phillipstown C	3	St. Louis	3,130	3,150	4-20	
41	White 9-5S-8E	R K Petroleum Co. #1 Triple AAA Ranch	Enfield N	85	Ohara	3,409	3,490	10-11	
42	White 11-5S-10E	Richard W. Beeson #2 Earlene Brooks	Phillipstown S	20	Palestine	2,142	2,148	8-24	
43	White 16-6S-10E	Hummon Oil Co. #1 Sturm	Concord C	36	St. Louis	3,376	4,969	7-9	OWDD, OTD 3,085; was Ste. Genevieve prod.
44	White 2-7S-9E	C. E. Brehm Drlg. & Prod. #1 Evans	Herald C	24/10	Salem	3,873	4,096	5-28	
45	Williamson 12-8S-2E	C. E. Brehm Drlg. & Prod. #1 G. Jeske	Stiritz	10	Bethel	2,473	2,725	9-1-75	

TABLE 5. Selected unsuccessful deep tests in 1976

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Map no. (fig. 1)	County and location	Operator well no. and farm	Field or wildcat	Deepest strata tested	Depth to top (ft)	Total depth (ft)	Comple- tion date
46	Clay 1-3N-5E	H-A-V-E Oil Co. #1 Dean Sutton	WF <sup>a</sup>	Galena	5,711	6,048	2-20-75
15	Franklin 2-5S-3E	C. E. Brehm Drlg. & Prod. #1 Clayton Heirs Comm.	WN <sup>b</sup>	Knox <sup>c</sup>	7,663	9,511	10-12
47	Pope 2-11S-6E	Texas Pacific Oil Co. #1 B. Farley et al. <sup>d</sup>	WF	?	?	14,920	9-17
48	Wayne 17-2S-8E	C. E. Brehm Drlg. & Prod. #1 B. Puckett <sup>e</sup>	Clay City C	Devonian	5,146	5,385	1-18
49	White 10-6S-10E	Duke Resources Corp. #1 Heather-Williams	Concord C	Devonian	4,984	5,313	7-4

<sup>a</sup>Wildcat far, drilled more than 1½ miles from production.<sup>b</sup>Wildcat near, drilled ½ to 1½ miles from production.<sup>c</sup>Plugged back to produce from St. Louis and Ullin.<sup>d</sup>Confidential, not included in 1976 statistics.<sup>e</sup>OWDD, OTD 3369 was D&A.

TABLE 6. Underground storage facilities for liquefied petroleum gases in Illinois, January 1, 1977

Company	Location	Type of storage	Approx. depth (ft)	Stratigraphic unit	Capacity (bbl)	Product
General Facilities, Inc.	Wood River, Madison County	Mined limestone	400	Valmeyeran (Mississippian)	80,000	Propane
Hydrocarbon Transportation, Inc.	Morris, Grundy County	Mined shale	1,450	Eau Claire	150,000	Ethane
Hydrocarbon Transportation, Inc.	Lemont, Will County	Mined shale Mined shale	304 358	Maquoketa Maquoketa	250,000	Propane Butane
Mid-America Pipeline Co.	Farmington, Peoria County	Mined shale	260	Pennsylvanian	440,000	Propane
Phillips Petroleum Co.	Kankakee, Kankakee County	Mined shale	300	Maquoketa	260,000	Propane
Shell Oil Co.	Wood River, Madison County Wood River, Madison County	Mined limestone Mined limestone	430	Valmeyeran (Mississippian)	500,000 232,000	Butane Propane
Tuloma Gas Products Co.	Wood River, Madison County Wood River, Madison County	Mined limestone Mined limestone	400	Valmeyeran (Mississippian)	190,000 50,000	Propane Propylene
U.S. Industrial Chemicals Co.	Tuscola, Douglas County Tuscola, Douglas County	Mined limestone and siltstone	350	Pennsylvanian	170,000 800,000	Propane Propane
Warren Petroleum Corp.	Crossville, White County	Mined shale	-	Pennsylvanian	52,000	LP gas
TOTAL					3,174,000	

TABLE 7. Active underground natural gas

Project	Company	Connty Township Range	Operational dates (initial)			Number of wells			Geologic data			
			Devel- opment	Stor- age	With- drawal	Oper- ating	Obser- vation	Other	Stratigraphic unit	Lithol- ogy	Trap	Native fluid
Ancona	Northern Illinois Gas Co.	La Salle & Livingston 29, 30N-2, 3E	1961	1963	1965	105	30	—	Mt. Simon	sand	anti- cline	water
Ashmore	Central Illinois Public Service	Coles & Clark 12N-10, 11E, 14W	1960	1963	1963	48	5	53	Spoon Salem	sand lime	dome	gas
Brocton	Peoples Gas Light & Coke Co.	Douglas & Edgar 14, 15N-13, 14W	(in exploration)			0	5	—	Lingle Crand Tower	lime dolo- mite	dome	water
Centralia East	Illinois Power Co.	Marion 1N-1E	1960	1964	1966	16	4	—	Pennsylvanian	sand	strati- graphic	gas
Cooks Mills	Natural Gas Pipe- line Co.	Coles & Douglas 14N-7, 8E	1956	1959	1959	24	5	4	Cypress Spar Mountain ("Rosiclare")	sand	lens	gas
Corinth	Central Illinois Public Service	Williamson 8S-4E	1972	1972	1972	2	—	—	Hardinsburg	sand	—	gas
Crab Orchard	Central Illinois Public Service	Williamson 9S-4E	1972	1972	1972	2	—	—	Hardinsburg	sand	—	gas
Crescent City St. P.	Northern Illinois Gas Co.	Iroquois 26, 27N-13W	1959	1967	(operations temporarily ceased)			St. Peter	sand	anti- cline	water	
Crescent City Mt. S.			(in exploration)			4	9	—	Mt. Simon	sand	dome	water
Eden South	Illinois Power Co.	Randolph 5S-5W	1970	1971	1971	12	5	—	Cypress	sand	strati- graphic	gas
Elbridge	Midwestern Gas Transmission Co.	Edgar 12, 13N-11W	1961	1965	1966	12	7	—	Grand Tower	lime	drape over reef	water
Freeburg	Illinois Power Co.	St. Clair 1, 2S-7W	1958	1959	1959	87	3	—	Cypress	sand	strati- graphic	gas
Gillespie- Bend	Illinois Power Co.	Macoupin 8N-6W	1958	1958	1959	7	0	—	Pennsylvanian	sand	strati- graphic	gas
Glasford	Central Illinois Light Co.	Peoria 7N-6E	1960	1964	1964	34	13	—	Niagaran	dolo- mite	dome	water
Herscher Gvl.	Natural Gas Pipe- line Co.	Kankakee 30N-10E	1952	1953	1953	60	124	25	Galesville	sand	anti- cline	water
Herscher Mt. S.			1957	1957	1958	55	17	—	Mt. Simon	sand	anti- cline	water
Herscher- Northwest	Natural Gas Pipe- line Co.	Kankakee 30, 31N-9E	1968	1969	1970	20	14	1	Mt. Simon	sand	anti- cline	water
Hillsboro	Illinois Power Co.	Montgomery 9, 10N-3W	1972	1974	1975	4	7	—	St. Peter	sand	dome	water
Hookdale	Illinois Power Co.	Bond 4N-2W	1962	1963	1963	10	4	—	Yankeetown ("Benoist")	sand	strati- graphic & structural	gas water
Hudson	Northern Illinois Gas Co.	McLean 24, 25N-2, 3E	1970	1971	1971	25	8	1	Mt. Simon	sand	dome	water
Hume	Peoples Gas Light & Coke Co.	Edgar 16N-13, 14W	(in exploration)			0	9	—	Lingle Grand Tower	lime dolomite	dome	water
Lake Bloomington	Northern Illinois Gas Co.	McLean 25, 26N-2, 3E	1971	1971	1972	33	16	1	Mt. Simon	sand	anti- cline	water
Lexington	Northern Illinois Gas Co.	McLean 25N-3, 4E	1971	1971	1972	18	10	1	Mt. Simon	sand	dome	water
Lincoln	Central Illinois Light Co.	Logan 19N-3W	1971	1974	1974	21	18	—	Silurian	dolo- mite	dome	water
Loudon	Natural Gas Pipe- line Co.	Fayette 7, 8, 9N-3E	1967	1967	1969	57	66	21	Crand Tower	lime	anti- cline	oil
Manlove	Peoples Gas Light & Coke Co.	Champaign 21N-7E	1960	1964	1966	114	12	0	Mt. Simon	sand	anti- cline	water
Media Gvl.	Mid-Continent Gas Storage Co.	Henderson 9N-4, 5W	(testing)			3	13	0	Galesville	sand	dome	water
Media Mt. S. Mills & Edwards			(testing)						Mt. Simon	sand	dome	water
	Egyptian Gas Stor- age Co.	Gallatin 7S-9E	1974	1975	1975	2	0	0	Tar Springs	sand	lens	gas
	Egyptian Gas Stor- age Co.	Gallatin 8S-8E	1974	1975	1975	1	0	0	Palestine	sand	lens	gas
Nevins	Midwestern Gas Transmission Co.	Edgar 12, 13N-11W	1961	1965	1966	14	7	—	Crand Tower	lime	drape over reef	water
Pecatonica	Northern Illinois Gas Co.	Winnebago 27N-10E	1967	1969	1970	14	15	—	Eau Claire	sand	dome	water
Pontiac	Northern Illinois Gas Co.	Livingston 27, 28N-6E	1966	1968	1969	40	13	1	Mt. Simon	sand	dome	water
Richwoods	Gas Utilities Co.	Crawford 6N-11W	1966	1966	1966	4	2	0	Pennsylvanian	sand	—	gas
St. Jacob	Mississippi River Transmission Corp.	Madison 3N-6W	1963	1963	1965	10	4	—	St. Peter	sand	dome	water
Sciota	Central Illinois Public Service	McDonough 6, 7N-3, 4W	1974	1975	1975	10	9	—	Mt. Simon	sand	dome	water
Shanghai	Illinois Power Co.	Warren & Mercer 12, 13N-1W	1970	1971	1971	9	10	—	Calesville	sand	dome	water
State Line	Midwestern Gas Transmission Co.	Clark, Ill., & Vigo, Ind. 12N-10W	1961	1963	1964	9	6	—	Crand Tower	lime	drape over reef	water
Tilden	Illinois Power Co.	St. Clair & Washington 3S-5, 6W	1957	1961	1961	45	15	—	Cypress	sand	strati- graphic	gas
Troy Cove	Northern Illinois Gas Co.	La Salle 34, 35N-1E	1957	1958	1959	95	32	—	Eau Claire Mt. Simon	ssnd	dome	water
Tuscola	Panhandle Eastern Pipeline Co.	Douglas & Champaign 16, 17N-8E	(testing)			13	11	1	Mt. Simon	sand	dome	water
Waverly St. P.	Panhandle Eastern Pipeline Co.	Morgan 13N-8W	1952	1954	1962	50	19	22	St. Peter	sand	dome	water
Waverly Cvl.			1969	1969	1970	10	3	—	Calesville	ssnd	dome	water



Reservoir data						Capacities (MMcf)*			Withdrawals (MMcf)			Project
Area in acres		Depth (feet)	Thickness or closure (feet)	Average porosity (%)	Average permeability (millidarcys)	Potential, cushion and working	Dec. 31, 1976		Max. vol. in storage 1976 (MMcf)	Peak daily, 1976	Total, 1976	
Storage	Closure						Working	Cuahlon				
—	12,840	2,154	290	12.3	114	155,000	47,828	90,401	150,185	607	23,868	Ancona
—	1,600	400	4-80	15.0	up to 3,000	3,575	882	1,991	3,501	31	1,382	Ashmore
—	30,000	672	210	12.2	—	70,000	—	—	—	—	—	Brocton
463	—	812	49	18.2	200	673	118	416	673	15	284	Centralia East
—	1,500	1,600	40	16.0	67	4,653	2,348	1,567	4,653	68	2,148	Cooks Milla
20	—	2,125	28	—	—	262	175	72	185	3	48	Corinth
20	—	2,200	19	—	—	257	160	67	255	4	111	Crab Orchard
—	16,725	1,200	150	14.5	138	50,000	—	—	—	—	—	Crescent St. P. City
—	—	—	—	—	—	100,000	—	—	—	—	—	Crescent Mt. S. City
—	1,000	875	18	20.6	168	1,403	407	868	1,400	6	288	Eden South
—	1,691	1,925	145	17.5	18	7,330	601	6,295	7,316	16	1,232	Elbridge
4,222	—	350	47	21.5	216	6,974	1,292	4,636	6,974	39	1,853	Freeburg
113	—	510	28	16.0	326	151	18	116	151	5	99	Gillespie-Benld
—	3,200	800	120	12.0	426	12,586	3,260	6,293	12,422	129	4,653	Glasford
6,750	8,000	1,750	100	18.0	467	50,000	11,702	23,283	38,457	771	18,281	Herscher Gvl.
7,500	8,000	2,450	80	12.0	185	67,000	28,136	32,504	65,561	221	14,816	Herscher Mt. S.
—	3,000	2,200	58	15.0	82	17,000	5,662	10,134	16,638	43	2,770	Herscher-Northwest
4,000	—	3,150	100	16.0	250	7,131	1,547	4,250	7,131	39	2,237	Hillsboro
414	—	1,125	28	20.3	458	1,097	505	285	1,097	30	1,141	Hookdale
—	13,200	3,800	160	11.0	45	100,000	2,907	22,949	28,686	79	5,313	Hudson
—	6,500	670	120	10±	—	4,000	—	—	—	—	—	Hume
—	10,600	3,525	97	11.0	45	45,000	10,087	30,397	43,425	104	7,833	Lake Bloomington
—	14,300	3,800	100	10.7	37	100,000	3,961	24,976	31,220	66	2,039	Lexington
—	3,000	1,300	85	12.0	250	11,710	2,971	6,441	11,710	50	4,712	Lincoln
2,610	—	3,050	65	15.0	—	75,000	20,679	31,137	61,103	351	23,112	Loudon
—	13,370	3,950	116	11.0	15	200,000	24,309	84,960	121,371	490	21,936	Manlove
—	4,700	2,100	100	17.2	448	62,000	0	0	0	0	0	Media Gvl.
—	3,500	2,500	100	14.3	152	50,000	0	0	0	0	0	Media Mt. S.
—	224	2,302	18	—	—	617	61	115	184	3	70	Mills & Edwards
—	142	1,825	30	—	—	185	22	78	113	2	39	Nevers
—	1,650	1,975	105	16.5	25	7,120	821	5,685	7,113	20	1,370	Pecatonica
—	2,600	800	38	18.6	556	3,500	777	1,958	3,263	44	920	Pontiac
3,500	—	3,000	100	10.0	25	45,000	12,612	25,066	41,779	137	4,780	Richwoods
—	—	700	—	—	—	105	76	20	96	2	18	St. Jacob
550	650	2,860	100	14.0	400+	5,600	1,678	3,900	5,595	66	1,151	Sciota
—	2,500	2,600	70	12.0	39	12,000	564	1,410	2,059	18	304	Shanghai
—	1,850	2,000	95	15.2	246	10,852	4,845	6,007	10,852	63	4,380	State Line
—	496	1,860	91	17.3	47	4,920	639	3,920	4,920	14	1,177	Tilden
1,287	—	800	33	20.8	183	3,131	661	1,820	3,131	50	1,849	Troy Grove
—	9,600	1,420	100	17.0	150	80,000	26,826	33,881	75,259	833	46,781	Tuacola
—	—	4,000	—	—	—	60,000	0	2,790	3,059	11	447	Waverly St. P.
1,500	7,000	1,800	115	18.0	1,220	150,000	7,796	37,968	47,912	222	8,822	Waverly Gvl.
—	—	3,500	68	—	—							

\*Million cubic feet

TABLE 8. Illinois oil field statistics, 1976

## Explanation of abbreviations and symbols

Field:	N, North; S, South; E, East; W, West; C, Consolidated; Cen, Central. Fields located in two or more counties have county names listed in order of oil discovery.
Age:	PC, Precambrian; CAM, Cambrian; ORD, Ordovician; SHK, Shakopee; STP, St. Peter; TRN, Trenton; SIL, Silurian; DEV, Devonian; DVS, Devonian-Silurian; MIS, Mississippian; PEN, Pennsylvanian.
Kind of rock in pay zone:	D, dolomite; DS, sandy dolomite; L, limestone; LS, sandy limestone; OL, oolitic limestone; S, sandstone.
ABD:	Field abandoned.
REV:	Field revived.
Structure:	A, anticline; C, accumulation due to change in character of rock; D, dome; F, faulting; H, strata horizontal or nearly horizontal; L, lens; M, monocline; N, nose; R, reef; T, terrace; U, unconformity. Combinations of the letters are used when more than one factor applies.
+	Field listed in Table 9 (gas production).
++	Illinois portion only.
#	Acreage is included in the immediately preceding figure.
X	Correct entry not determinable.

TABLE 8. Illinois oil field statistics, 1976

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test				
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. API			Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
A8 LAKE, GALLATIN, 8S, 10E																	
		1947	80	3.0	117.9	9	0	0	2			M	MIS	2953			
	PENNSYLVANIAN	805 1957	40			3	0	0		35	S	10	M				
	PALESTINE, MIS	1835 1954	10			1	0	0		36	S	5	MF				
	WALTERSBURG, MIS	2000 1957	40			3	0	0		37	S	10	M				
	RENAULT, MIS	2735	20			2	0	0		35	L	8	MF				
	AUX VASES, MIS	2770	10			1	0	0		35	S	9	MF				
A8 LAKE SOUTH, GALLATIN, 9S, 10E																	
	AUX VASES, MIS	2798 1959	10	0.0	3.8	1	0	0	0	36	S	6	M	MIS	2982		
			A80 1963														
*A8 LAKE WEST, GALLATIN, 8-9S, 9-10E																	
		1950	450	2.6	537.4	33	0	0	15			M	MIS	2964			
	PENNSYLVANIAN	725 1954	50			3	0	0		35	S	10	ML				
	WALTERSBURG, MIS	2020 1956	300			19	0	0		37	S	20	ML				
	TAR SPRINGS, MIS	2075 1958	30			2	0	0		38	S	10	ML				
	CYPRESS, MIS	2425 1954	10			1	0	0		36	S	9	ML				
	AUX VASES, MIS	2735	160			17	0	0		36	S	6	ML				
	MCCLOSKEY, MIS	2830	10			1	0	0		38	L	2	MC				
*ADEN C, WAYNE, HAMILTON, 2-3S, 7E																	
		1938	2400	54.5	13354.0	127	0	0	55			A	OEV	543			
	AUX VASES, MIS	3200 1938	1570			64	0	0		39	S	10	A				
	OHARA, MIS	3290 1943	2030			9	0	0		35	L	7	A				
	SPAR MTN, MIS	3320 1943	#			6	0	0		35	L8	5	AC				
	MCCLOSKEY, MIS	3350 1938	#			79	0	0		35	L	4	A				
	SALEM, MIS	3735 1948	60			9	0	0		36	L	16	AC				
	ULLIN, MIS	4132 1959	50			4	0	0		39	L	16	AC				
	LINGLE, DEV	5182 1968	10			1	0	0		3	S	10					
	OUTCH CREEK, DEV	5318 1959	30			3	0	0		40	S	10	A				
ADEN EAST, WAYNE, 2S, 7E																	
	MCCLOSKEY, MIS	3434 1961	10	0.0	0.0	1	0	0	0	39	OL	6		MIS	355		
			A80 1961														
*ADEN SOUTH, HAMILTON, 3S, 7E																	
		1945	340	4.3	841.6	28	1	1	8			A	OEV	546			
	AUX VASES, MIS	3245 1946	170			9	0	0		39	S	8	AL				
	OHARA, MIS	3310	340			2	0	0		37	L	7	AC				
	SPAR MTN, MIS	3330	#			8	0	0		37	L3	8	AC				
	MCCLOSKEY, MIS	3395 1945	#			17	1	1		38	L	9	AC				
*AKIN, FRANKLIN, 6S, 4E																	
		1942	760	16.2	2417.4	59	1	8	18			A	MIS	410			
	CYPRESS, MIS	2840 1942	220			14	0	0		35	0.14	S	10	AL			
	AUX VASES, MIS	3100	520			40	1	8		37	0.12	S	22	AL			
	OHARA, MIS	3100 1956	70			4	0	0		38	L	18	AC				
	MCCLOSKEY, MIS	3270 1943	#			1	0	0		38	L	9	AC				
AKIN WEST, FRANKLIN, 6S, 4E																	
		1948	120	6.5	226.5	9	0	0	7			A	OEV	518			
	CYPRESS, MIS	2715 1950	30			2	0	0		35	S	8	AL				
	OHARA, MIS	3050 1948	70			2	0	0		37	L	10	AC				
	SPAR MTN, MIS	3080 1948	#			1	0	0			L	12	AC				
	MCCLOSKEY, MIS	3130	#			3	0	0		39	L	4	AC				
	SALEM, MIS	3663 1962	10			1	0	0		38	L	10					
	ULLIN, MIS	3994 1962	20			2	0	0		37	L	10					
ALBION CEN, EDWARDS, 2S, 10E																	
		1955	110	0.0	136.0	7	0	0	1				MIS	351			
	OHARA, MIS	3350 1955	110			7	0	0		37	L	5					
	MCCLOSKEY, MIS	3395	#			1	0	0			L	4					
*ALBION C, EDWARDS, WHITE, 1-3S, 10-11E, 14W																	
		1940	5680	208.0	29698.6	489	2	2	167			AM	OEV	518			
	MANSFIELD, PEN	1650	1950			6	0	0		28	S	5	MF				
	BRIDGEPORT, PEN	1900	#			30	0	0		29	0.16	S	15	MF			
	BIEM, PEN	2000 1944	#			158	1	0		37	0.16	S	15	MF			
	OEGONIA, MIS	2125	10			2	0	0		35	S	9	MF				
	WALTERSBURG, MIS	2365 1949	690			67	0	0		36	S	16	AL				
	TAR SPRINGS, MIS	2460 1944	140			10	0	0		37	S	5	AL				
	HARDINSBURG, MIS	2635	70			6	0	0		36	S	10	A				
	CYPRESS, MIS	2860	510			44	0	0		37	S	15	A				
	BETHEL, MIS	2960	940			58	0	1		36	S	14	AF				
	BENOIST, MIS	3000	190			14	1	0		34	S	13	AF				
(CONTINUED ON NEXT PAGE)																	

(CONTINUED ON NEXT PAGE)



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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test	Depth (ft)	
	Name and age			During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)				Kind of rock, avg. thickness in feet, structure
ASHMORE S +, COLES, CLARK, 12N, 10-11E, 14W															
		1958	310	3.6	47.2	23	0	0	16				TRN	226	
	UNNAMEO, PEN	420 1958	310			22	0	0		24	S	X	AL		
	MISSISSIPPIAN	475 1963	20			1	0	0		38	L	17			
ASSUMPTION CEN, CHRISTIAN, 13N, 1E															
	DEVONIAN	2433 1961	10	0.0	0.0	1	0	0	0	38	L	4		SIL 256	
			ABO 1961												
*ASSUMPTION C, CHRISTIAN, 13-14N, 1E															
		1948	2460	75.6	10219.5	187	0	2	56				A	ORO 307	
	BENOIST, MIS	1050 1949	590			46	0	0		36	S	13	A		
	SPAR MTN, MIS	1170 1949	220			17	0	1		40	S	4	AL		
	LINGLE, DEV	2300 1948	2300			126	0	1		38	L	8	A		
ASSUMPTION S, CHRISTIAN, 12N, 1E															
	LINGLE, DEV	2630 1951	50	0.6	22.0	3	0	0	1	39	L	15		SIL 280	
AVA-CAMPBELL HILL +, JACKSON, 7S, 3-4W															
	CYPRESS, MIS	780 1916	140	0.0	25.0	16	0	0	0	36	S	18	A	TRN 358	
			ABO 1943, REV 1956, ABO 1957												
BALDWIN, RANDOLPH, 4S, 6W															
	SILURIAN	1935 1954	30	0.3	11.2	3	0	0	1	32	L	X	R	TRN 223	
BANNISTER, MARION, 2N, 3E															
	AUX VASES, MIS	2570 1973	10	0.3	8.6	1	0	0	1		S	5		DEV 422	
*BARNHILL, WAYNE, WHITE, 2-3S, 8-9E															
		1939	2020	45.3	6132.6	173	8	0	59				A	DEV 550	
	AUX VASES, MIS	3325 1943	1060			83	4	0		39	S	15	AL		
	OHARA, MIS	3370	1160			9	0	0			OL	6	AC		
	SPAR MTN, MIS	3400	#			11	1	0			LS	9	AC		
	MCCLOSKEY, MIS	3450 1939	#			74	0	1		38	0.17	OL	15	AC	
	ST LOUIS, MIS	3520	10			1	0	0		38	L	7	AC		
	SALEM, MIS	3795	160			7	4	0		39	L	8	AC		
*BARTELSON, CLINTON, 1-2N, 3W															
		1936	600	29.9	4115.5	113	0	0					O	STP 421	
	CARLYLE (CYP), MIS	985 1936	420			76	0	0		36	0.20	S	15	O	
	SILURIAN	2420 1939	380			38	0	0		42	0.27	L	12	R	
*BARTELSON E, CLINTON, 1N, 3W															
	SILURIAN	2550 1950	210	9.3	922.8	21	0	0	18	42	L	7	R	SIL 278	
BARTELSON S, CLINTON, 1N, 3W															
	DEVONIAN	2475 1942	60	0.0	23.7	3	0	0	0	40	0.15	L	3	A	
			ABO 1962											DEV 265	
BARTELSON W, CLINTON, 1N, 3-4W															
		1945	290	3.2	93.3	21	0	0	13				A	SIL 260	
	CYPRESS, MIS	960 1945	290			18	0	0		36	S	15	A		
	SILURIAN	2439 1961	10			1	0	0		40	L	7	A		
*BEAUCOUP, WASHINGTON, 2S, 2W															
		1951	280	0.9	378.7	14	0	0	10				A	TRN 419	
	CLEAR CREEK, DEV	3050 1951	280			14	0	0		39	L	12	A		
	TRENTON, ORO	4095 1952	10			1	0	0		39	L	5	A		
*BEAUCOUP S, WASHINGTON, 2S, 2W															
	BENOIST, MIS	1430 1951	260	12.8	1038.1	22	0	0	12	35	S	9	AL	ORO 417	
*BEAVER CREEK, BONO, CLINTON, 3-4N, 2-3W															
	BENOIST, MIS	1130 1942	180	4.0	282.2	17	0	0	6	34	0.25	S	6	A	
														SIL 255	



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone		Deepest test			
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
BEAVER CREEK N. BOND, 4N, 3W																
BENOIST, MIS		1115	1949	80	0.0	0.7	6	0	0	0	24	S	4 A	OEV	255	
ABO 1954, REV 1958, ABO 1964																
*BEAVER CREEK S +, CLINTON, BOND, 3-4N, 2-3W																
CYPRESS, MIS		1005	1946	590	12.0	717.6	53	1	0	27			A	SIL	260	
BETHEL, MIS		1076	1974	10			2	1	0		36	S	20 A			
BENOIST, MIS		1140	1946	560			1	0	0			S	7			
BENCKEMEYER GAS +, CLINTON, 2N, 3W																
CYPRESS, MIS		1070	1956	10	0.0	0.0	1	0	0	0		S	23	SIL	273	
ABO 1955																
*BELLAIR, CRAWFORD, JASPER, 8N, 14W																
		1907		2230	X	X	542	0	0	71			AM	OEV	206	
(500 FT), PEN		560		2140			315	0	0		29	S	30	AM		
(800 FT), PEN		315		#			77	0	0		37	S	X	AM		
(900 FT), MIS		885		#			190	0	0		37	S	X	AM		
CYPRESS, MIS		950		50			4	0	0		36	S	4	AM		
BENOIST, MIS		1000		405			4	0	0		36	S	10	AM		
RENAULT, MIS		830		30			6	0	0		37	S	6	AM		
AUX VASES, MIS		300		220			11	0	0		38	S	X	AM		
OHARA, MIS		860		30			1	0	0		37	L	4	A		
CARPER, MIS		1748	1969	50			4	0	0			S	14			
SEE CLARK COUNTY DIV, FOR PRODUCTION																
BELLE PRAIRIE, HAMILTON, 4S, 6-7E																
MCCLOSKEY, MIS		3420	1940	300	14.6	1056.9	17	0	0	9	38	0.12 L	6 AC	OEV	543	
BELLE PRAIRIE W. HAMILTON, 4S, 5E																
ULLIN, MIS		4206	1959	10	0.0	0.5	1	0	0	0	37	L	6	MIS	438	
ABO 1960																
BELLE RIVE, JEFFERSON, 3S, 4E																
MCCLOSKEY, MIS		3085	1943	110	2.6	399.3	6	0	0	3	37	0.50 L	6 AC	MIS	420	
BELLMONT, WABASH, 1S, 13-14W																
BETHEL, MIS		2650	1951	30	0.0	73.0	4	0	0	0			M	MIS	300	
OHARA, MIS		2840	1951	10		11.0	1	0	0		38	S	7	ML		
				20		62.0	3	0	0		40	L	7	MC		
ABO 1972																
*BEMAN, LAWRENCE, 3N, 11W																
AUX VASES, MIS		1805	1942	530	7.4	323.4	34	0	0	9			A	OEV	341	
STE. G, MIS		1850	1942	100			8	0	0		38	S	20	AL		
				440			30	0	0		38	L	7	AC		
BEMAN E, LAWRENCE, 3N, 10W																
AUX VASES, MIS		1805	1947	110	0.0	116.0	7	0	0	0			A	MIS	192	
STE. G, MIS		1860	1947	30			3	0	0		38	S	20	AL		
				110			6	0	0		38	L	7	AC		
ABO 1960, REV 1965, ABO 1969																
BENNINGTON S, EDWARDS, 1N, 10E																
MCCLOSKEY, MIS		3240	1944	10	0.0	10.4	1	0	0	0	37	L	8	MC	MIS	342
ABO 1946																
*BENTON, FRANKLIN, 6S, 2-3E																
PENNSYLVANIAN		1700	1941	2360	48.3	39921.3	268	0	3	86			A	TRN	625	
TAR SPRINGS, MIS		2100	1941	20			2	0	0		33	S	9	AL		
AUX VASES, MIS		2752	1959	2360			249	0	2		38	S	10	A		
OHARA, MIS		2804	1959	300			21	0	1		38	S	15	A		
MCCLOSKEY, MIS		2906	1960	190			13	0	0			L	8	A		
ST. LOUIS, MIS		2990	1960	#			5	0	0		37	OL	4	AC		
ULLIN, MIS		3705	1960	10			1	0	0		38	L	6	A		
				10			1	0	0		38	L	5	A		
*BENTON N, FRANKLIN, 5-6S, 2E																
CYPRESS, MIS		2460	1944	810	14.7	3599.8	80	0	1	8			A	MIS	370	
PAINT CREEK, MIS		2501	1962	100			14	0	0		38	S	17	A		
BETHEL, MIS		2600	1942	390			14	0	1		38	S	8			
AUX VASES, MIS		2685		#			21	0	0		38	0.15 S	20	AL		
OHARA, MIS		2730		190			15	0	0		39	0.15 S	10	A		
				460			13	0	0		38	0.70 L	S	A		
(CONTINUED ON NEXT PAGE)																

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone		Deepest test	
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur API (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)														
*BONE GAP C, EDWARDS, 1S, 10-11E, 14W														
CYPRESS, MIS	2710	1947	100			7	0	0		37	S	10	A	
BETHEL, MIS	2880	1952	60			5	0	0		39	S	14	AL	
AUX VASES, MIS	3020	1947	10			1	0	0		36	S	9	AL	
OMARA, MIS	3040	1948	910			9	3	0		34	L	5	AC	
SPAR MTN, MIS	3045	1947	#			6	0	0		35	L	5	AC	
MCCLOSKY, MIS	3200	1941	#			24	0	0		38	0.33 L	6	AC	
BONE GAP E, EDWARDS, 1S, 14W														
		1951	160	25.4	50.5	12	4	1	9			M	MIS	400
OMARA, MIS	2980	1951	40			3	1	1			L	10	MC	
MCCLOSKY, MIS	3050		#			1	0	0		36	L	5	MC	
SALEM, MIS	3555	1974	120			8	3	0			L	4		
ABO 1956, REV 1974														
BONE GAP W, EDWARDS, 1S, 10E														
STE, GEN, MIS	3290	1954	100	0.5	31.7	5	0	0	3	36	L	5	MIS	350
ABO 1955, REV 1964														
*BOULOER +, CLINTON, 2-3N, 2W														
		1941	580	0.0	8120.0	55	0	0	0			0	TRN	381
BENOIST, MIS	1190	1942	500			33	0	0		37	S	20	0	
GENEVA, OEV	2630	1941	470			22	0	0		28	0.33	0	7	R
SILURIAN	2700	1963	40			1	0	0		40	L	4		
ABO 1965														
BOULOER E +, CLINTON, 3N, 1W														
DEVONIAN	2850	1955	50	7.0	218.7	5	0	0	3	39	L	5	OEV	294
*BOURBON C, DOUGLAS, 15N, 7E														
		1956	1050	7.2	1799.4	93	2	0	28					
SPAR MTN, MIS	1600	1956	1050			92	1	0		34	LS	12	NC	SIL 2709
MCCLOSKY, MIS	1715	1976	#			1	1	0			L	5		
BOURBON S, DOUGLAS, 15N, 7E														
SPAR MTN, MIS	1693	1960	20	5.7	5.7	2	1	0	1	34	S	12	NC	MIS 178
ABO 1964, REV 1976														
BOWYER, RICHLAND, 5N, 14W														
		1958	20	0.0	11.7	2	0	0	0				MIS	295
SPAR MTN, MIS	2833	1958	10			1	0	0		36	S	X		
MCCLOSKY, MIS	2876	1971	10			1	0	0			L	5		
ABO 1967, REV 1971, ABO 1972														
*BOYO, JEFFERSON, 1S, 1-2E														
		1944	1490	19.2	14364.6	126	0	0	38				A	TRN 540
BENOIST, MIS	2060	1944	1450			114	0	0		35	0.14	S	19	A
AUX VASES, MIS	2130	1944	660			48	0	0		37	S	15	A	
OMARA, MIS	2230	1945	30			24	0	0		39	L	2	AC	
TRENTON, ORO	5000	1967	60			4	0	0				X		
BROUGHTON, HAMILTON, 6S, 7E														
MCCLOSKY, MIS	3275	1951	10	0.0	5.7	1	0	0	0	37	L	5	MIS	335
ABO 1954														
BROUGHTON S, SALINE, 7S, 7E														
		1951	20	0.0	0.1	2	0	1	0				MIS	330
TAR SPRINGS, MIS	2315	1974	10			1	0	1			B	7		
MCCLOSKY, MIS	3215	1951	10			1	0	0		38	L	4		
ABO 1952, REV 1974, ABO 1976														
*BROWN, MARION, 1N, 1E														
CYPRESS, MIS	1670	1910	120	2.6	152.7	12	0	0	10	36	S	X N	MIS	203
*BROWNS, EDWARDS, WABASH, 1-2S, 14W														
		1943	1060	30.4	2728.6	68	0	0	31				A	OEV 520
BIEM, PEN	1370	1962	10			1	0	0		32	S	S		
TAR SPRINGS, MIS	2365	1947	40			1	0	0		36	S	14	AL	
CYPRESS, MIS	2640	1943	350			25	0	0		36	0.18	S	13	A
BETHEL, MIS	2735	1944	30			5	0	0		39	S	12	AL	
AUX VASES, MIS	2965		10			1	0	0		36	S	7	AL	
OMARA, MIS	2965	1946	770			13	0	0		34	L	4	AC	
SPAR MTN, MIS	2975	1947	#			1	0	0			L	3	AC	
MCCLOSKY, MIS	3000	1944	#			35	0	0		38	L	6	A	

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery Depth (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur *API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test	
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			Zone	Depth (ft)
*BROWNS E, WABASH, 1-2S, 14W													
		1946	810	7.0	2938.1	74	1	1	15			MIS	365
PENNSYLVANIAN		1844 1963	10			1	0	0		32	S X		
CYPRESS, MIS		2570 1946	790			72	0	1		36	S 13 ML		
SALEM, MIS		3420 1976	10			1	1	0			L 20		
BROWNS S, EDWARDS, 2S, 14W													
		1943	120	31.4	94.4	11	6	0	8			N	MIS 367
WALTERSBURG, MIS		2330 1976	10			5	1	0			S 10		
BETHEL, MIS		2850 1943	60			5	3	0		36	S 15 NL		
AUX VASES, MIS		2950 1947	40			5	0	0		36	S 8 NL		
OMARA, MIS		3020 1976	20			2	2	0			L 6		
				ABO 1968, REV 1970									
BRUBAKER, MARION, 3N, 3E													
		1973	140	86.8	196.8	9	2	0	9			SIL	520
SPAR MTN, MIS		2341 1975	50			2	1	0			S 20		
MCCLOSKEY, MIS		2395 1975	#			1	0	0			OL 5		
ST LOUIS, MIS		2550 1976	10			1	1	0			L 46		
SALEM, MIS		2765 1974	10			1	0	0			O 7		
DEVONIAN		3620 1973	70			4	0	0		34	L 1		
BUCKMORN, BROWN, 1-2S, 4W													
SILURIAN		682 1961	50	0.0	0.0	5	1	0	4	37	O 3	SIL	70
				ABO 1964, REV 1973									
BUCKNER, FRANKLIN, 6S, 2E													
AUX VASES, MIS		2601 1963	80	3.6	72.9	6	0	1	4	36	S 12	MIS	306
BULPITT S, CHRISTIAN, 13N, 3W													
DEV-SIL		1911 1962	60	0.0	3.4	4	0	0	0	38	L 15	OVS	199
				ABO 1969									
*BUNGAY C, HAMILTON, 4S, 7E													
		1941	3260	67.8	14216.8	254	0	1	70			DEV	556
RENAULT, MIS		3270	550			22	0	1		39	S 10 A		
AUX VASES, MIS		3295 1941	2740			195	0	0		39	S 15 AL		
OMARA, MIS		3335	320			4	0	0			L 8 AC		
SPAR MTN, MIS		3400 1943	#			3	0	0			L 8 AC		
MCCLOSKEY, MIS		3425 1943	#			15	0	0		36	L 8 AC		
ULLIN, MIS		4190 1959	10			1	0	0		38	L 10 AC		
BURNT PRAIRIE S, WHITE, 4S, 9E													
		1947	30	0.2	30.5	4	0	0	1			MIS	356
AUX VASES, MIS		3330	10			1	0	0		37	S 24		
OMARA, MIS		3415 1947	30			1	0	0		38	L 6		
MCCLOSKEY, MIS		3460	#			2	0	0			L 4		
CALMOUN CEN, RICHLAND, 2N, 10E													
		1950	30	0.0	0.5	3	0	0	0			M	MIS 353
SPAR MTN, MIS		3245	30			2	0	0			L 6 MC		
MCCLOSKEY, MIS		3280 1950	#			1	0	0		37	L 3 MC		
				ABO 1952, REV AND ABO 1959									
*CALMOUN C, RICHLAND, WAYNE, 2-3N, 9-10F													
		1944	1970	18.7	4106.8	108	1	0	14			MIS	403
OMARA, MIS		3140 1944	1960			22	0	0		39	OL 9 A		
SPAR MTN, MIS		3160	#			25	0	0		37	OL 6 A		
MCCLOSKEY, MIS		3180 1944	#			62	0	0		39	OL 10 A		
ST LOUIS, MIS		3370 1967	10			1	0	0		39	L 9		
SALEM, MIS		3730 1967	20			2	1	0		39	L 8		
*CALMOUN E, RICHLAND, 2N, 10-11E													
MCCLOSKEY, MIS		3265 1950	150	0.3	330.6	9	0	2	1	39	L 5 MC	MIS	338
CALMOUN N, RICHLAND, 3N, 10E													
		1944	60	0.0	81.6	4	0	0	2			MIS	328
SPAR MTN, MIS		3155 1944	60			1	0	0			L 10 A		
MCCLOSKEY, MIS		3170 1944	#			4	0	0		36	OL 11 A		
*CALMOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E													
		1953	560	27.7	663.4	33	2	2	12			MIS	391

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. fur API (%)	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
*CALMOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E															
(CONTINUED FROM PREVIOUS PAGE)															
AUX VASES, MIS		3175	1953	20		2	0	0		38	L	5			
OMARA, MIS		3232	1963	540		4	0	0			L	8			
SPAR MTN, MIS		3224	1962	#		16	2	2			L	5			
MCCLOSKEY, MIS		3209	1961	#		20	0	2		37	OL	6			
ABO 1953, REV 1961															
CARLINVILLE +, MACOUPIN, 9N, 7W															
UNNAMEO, PEN		380	1909	40	0,0	X	8	0	0	2	28	S	X	A	MIS 138
ABO 1925, REV 1942															
CARLINVILLE N +, MACOUPIN, 10N, 7W															
POTTSVILLE, PEN		440	1941	100	0,0	1,0	16	0	0	0	20	0,35	S	10	TRN 197
ABO 1954															
CARLINVILLE B, MACOUPIN, 9N, 7W															
PENNSYLVANIAN		539	1958	10	0,0	0,0	1	0	0	0	26	S	X		PEN 102
ABO 1964															
*CARLYLE, CLINTON, 2N, 3W															
GOLCONDA, MIS		1911	1310	21,1	4166,9	199	2	0	30			A	STP	412	
CARLYLE(CYP), MIS		1035	1911	10		6	0	0	35	L	10	AC			
			1300			188	2	0	35	0,26	S	20	AL		
CARLYLE E, CLINTON, 2N, 2W															
BENOIST, MIS		1197	1963	10	0,0	0,0	1	0	0	0	34	S	4		MIS 124
ABO 1972															
*CARLYLE N, CLINTON, 3N, 3W															
BENOIST, MIS		1150	1950	530	14,9	904,3	45	0	2	31	34	S	6	AL	DEV 255
CARLYLE S, CLINTON, 1N, 3W															
CYPRESS, MIS		1075	1951	20	0,0	2,0	2	0	0	0	35	S	4		MIS 119
ABO 1953															
*CARMi, WHITE, 5S, 9E															
PENNSYLVANIAN		1940	250	2,5	395,1	21	0	0	3			M	MIS	354	
CYPRESS, MIS		1210	10			1	0	0	32	S	10	ML			
AUX VASES, MIS		2800	100			8	0	0	38	S	15	ML			
MCCLOSKEY, MIS		3145	90			5	0	0	37	S	8	ML			
		3150	1940	110		8	0	0	35	OL	6	MC			
ABO 1949, REV 1952															
CARMi N, WHITE, 5S, 9E															
CYPRESS, MIS		1942	80	2,1	292,8	6	0	0	3			A	MIS	345	
SAMPLE, MIS		2940	20			1	0	0	38	S	13	AF			
AUX VASES, MIS		3080	1954	10		1	0	0	37	S	12	AF			
		3270	1942	60		5	0	0	36	0,14	S	14	AF		
*CASEY, CLARK, 10-11N, 14W															
UPPER GAS, PEN		1906	3030	X	X	511	0	0	224			AM	TRN	260	
LOWER GAS, PEN		265	2720			43	0	0	32	S	X	AM			
CASEY, PEN		300	#			36	0	0	30	S	X	AM			
CARPER, MIS		445	#			372	0	0	35	S	10	AM			
		1300	250			20	0	0	38	S	50	AM			
SEE CLARK COUNTY DIV FOR PRODUCTION															
*CENTERVILLE, WHITE, 4S, 9E															
AUX VASES, MIS		1940	190	0,5	531,6	13	0	0	0			N	MIS	391	
OMARA, MIS		3240	1953	10		1	0	0	37	S	6	NL			
SPAR MTN, MIS		3310	190			6	0	0	38	L	10	NC			
MCCLOSKEY, MIS		3370	#			2	0	0		L	8	NC			
		3370	1940	#		6	0	0	37	0,17	OL	4	NC		
ABO 1972															
*CENTERVILLE E, WHITE, 3-4S, 9-10E															
PALESTINE, MIS		1941	1270	52,5	8412,7	136	0	0	60			A	MIS	342	
TAR SPRINGS, MIS		2225	20			2	0	0	35	S	3	ALF			
MARIONSBURG, MIS		2900	520			35	0	0	38	0,20	S	24	ALF		
CYPRESS, MIS		8615	40			1	0	0	36	S	22	ALF			
BETHEL, MIS		2915	640			47	0	0	37	S	6	ALF			
AUX VASES, MIS		2990	220			20	0	0	38	S	20	ALF			
OMARA, MIS		3075	530			38	0	0	37	S	21	ALF			
SPAR MTN, MIS		3175	320			4	0	0	36	OL	5	ACF			
MCCLOSKEY, MIS		3188	#			1	0	0		LS	6	ACF			
		3230	#			16	0	0	37	OL	7	ACF			



TABLE 8. Illinois oil field statistics, 1976 - continued

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test				
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
CENTERVILLE N, WHITE, 3S, 10E																
BETHEL, MIS		2990 1947	10	0.0	0.0	1	0	0	0	38	S	13 ML	MIS	333		
			ABO 1948													
CENTERVILLE N E, WHITE, 3S, 10E																
BETHEL, MIS		3055 1955	10	0.0	5.6	1	0	0	0	38	S	14	MIS	340		
			ASO 1959													
*CENTRAL CITY, MARION, 1N, 1E																
PENNSYLVANIAN		826 1964	130	5.0	69.0	12	2	0	11	33	S	10	MIS	194		
*CENTRALIA, CLINTON, MARION, 1-2N, 1E, 1W																
		1937	2980	138.2	57206.1	1021	0	1	239					A	ORO	417
		765 1958	30			4	0	0		32		X	A			
PETRO, PEN		1200	1530			57	0	1		37	0.20	S	12	A		
CYPRESS, MIS		1355 1937	2510			577	0	1		38	0.17	S	20	A		
BENOIST, MIS		2670 1939	2610			319	0	0		40	0.38	L	9	A		
DEVONIAN		3930 1940	1100			59	0	0		40		L	22	A		
TRENTON, ORO																
CENTRALIA W, CLINTON, 1N, 1W																
		1940	90	1.0	418.9	10	0	0	1					N	OEV	302
CYPRESS, MIS		1308 1960	10			1	0	0		35		S	4	N		
BENOIST, MIS		1440 1940	90			9	0	0		38	0.17	S	9	N		
CHESTERVILLE, DOUGLAS, 15N, 7E																
SPAR MTN, MIS		1780 1956	50	0.3	35.9	5	0	0	1	39		LS	8 ML	MIS	182	
*CHESTERVILLE E, DOUGLAS, 14-15N, 7-8E																
SPAR MTN, MIS		1720 1957	400	0.0	1164.4	41	0	0	0	39		S	10 NC	MIS	178	
			ABO 1974													
CHRISTOPHER S, FRANKLIN, 7S, 1E																
		1964	30	0.0	9.9	3	0	0	0						MIS	282
AUX VASES, MIS		2620 1964	30			3	0	0		38		S	8			
OHARA, MIS		2690 1964	10			1	0	0		37		L	10			
						ASO 1969										
CLAREMONT*, RICHLAND, 3N, 14W																
		1950	100	0.0	20.2	8	0	0	0						MIS	334
SPAR MTN, MIS		3200 1950	100			5	0	0				S	5			
MCCLOSKEY, MIS		3218 1969	8			3	0	0				L	4			
			ABO 1971													
CLARK COUNTY DIV, CLARK, COLES, CRAWFORD, CUMBERLAND, JASPER																
		1900	26830	253.1	85776.3	5752	11	35	1570						ORO	451
						TOTALS	BELLAIR	CASEY	JOHNSON	N,S	MARTINSVILLE	SIGGINS	WESTFIELD	YORK	PIELOS	
CLARKSBURG, SHELBY, 10N, 4E																
AUX VASES, MIS		1770 1946	50	6.0	78.7	5	0	1	2	36		S	6 A	OEV	320	
*CLAY CITY C, CLAY, WAYNE, RICHLAND, JASPER, 1-7N, 1-28, 6-11E																
		1937	93150	3770.5	308392.7	6258	102	82	2194					A	PC	1161
WALTERSBURG, MIS		2175 1952	10			1	0	0		36		S	6	AL		
TAR SPRINGS, MIS		2560 1949	130			8	0	0		38		S	15	AL		
CYPRESS, MIS		2635 1937	8070			566	4	5		36		S	15	AL		
BETHEL, MIS		2800	230			20	0	0		39		S	15	AL		
AUX VASES, MIS		2940 1942	30370			2051	22	32		38		S	15	AL		
OHARA, MIS		3020	64440			238	2	1		38		OL	5	AC		
SPAR MTN, MIS		3030	8			625	6	14		38		LS	8	AC		
MCCLOSKEY, MIS		3050 1937	8			3015	17	29		39		OL	10	AC		
ST. LOUIS, MIS		3025 1949	2580			223	4	8		38		L	3	A		
SALEM, MIS		3590 1950	4260			277	57	8		39		L	10	A		
ULLIN, MIS		3600 1952	260			20	3	1		40		L	17	A		
LINGLE, OEV		4350 1949	20			1	0	0		39		L	10	A		
CLEAR LAKE E, SANGAMON, 16N, 4W																
SILURIAN		1596 1970	40	5.9	20.2	2	0	0	2	25		L	12	SIL	165	
CLIFFORD, WILLIAMSON, 8S, 1E																
		1957	40	0.0	15.0	2	0	0	0						MIS	262
AUX VASES, MIS		2380 1957	40			2	0	0		38		S	7			
SPAR MTN, MIS		2470 1957	20			1	0	0				LS	7			
(CONTINUED ON NEXT PAGE)																

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (H bbl)		Number of wells				Character of oil		Pay zone	Deepest test	Depth (ft)		
	Name and age			Depth (ft)	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)				Kind of rock, avg. thickness in feet, structure	
(CONTINUED FROM PREVIOUS PAGE)																
CORINTH E, WILLIAMSON, 8S, 4E ----- MCCLOSKEY, MIS		3035 1957	10 A80 1960	0,0	10,6	1	0	0	0	38	L	10	MIS	311		
CORINTH N, WILLIAMSON, 8S, 4E ----- AUX VASES, MIS		2935 1957	10 A80 1960	0,0	3,7	1	0	0	0	36	8	16	MIS	318		
CORINTH S, WILLIAMSON, 9S, 4E ----- CYPRESS, MIS		2350 1972	10 A80 1975	1,2	6,6	1	0	0	0		S	8	MIS	282		
COTTAGE GROVE, SALINE, 9S, 7E ----- OMARA, MIS		2770 1955	10 A80 1963	0,0	12,5	1	0	0	0	38	L	X	MIS	297		
COULTERVILLE N, WASHINGTON, 3S, 5W ----- SILURIAN		2290 1958	50	0,5	35,3	5	0	0	3	42	L		ORO	320		
*COVINGTON S, WAYNE, 2S, 6E ----- MCCLOSKEY, MIS ST. LOUIS, MIS ULLIN, MIS		1943 3310 1943 3361 1962 4148 1960	510 420 10 80	8,6	468,9	18 12 1 5	0 0 0 0	0 0 0 0	2 36 36 36	0,18	L L L	5 4 12	AC AC AC	OEV	530	
CRAIG, PERRY, 4S, 4W ----- TRENTON, ORO		3650 1948	10 A80 1951, REV 1965, A80 1967	0,0	2,9	2	0	0	0	35	L	20	A	ORO	375	
CRAVAT, JEFFERSON, 1S, 1E ----- BENDIST, MIS		2070 1939	120	0,9	382,1	11	0	0	6	34	0,23	S	10	A	OEV	385
CRAVAT W, JEFFERSON, 1S, 1E ----- PENNSYLVANIAN BETHEL, MIS		1956 1045 1956 2070 1960	140 130 10	1,6 1,6 0,0	133,4 133,4 0,0	15 14 1	0 0 0	0 0 0	14 32		S S S	10 10 10		MIS	238	
CROSSVILLE, WHITE, 4S, 10E ----- BETHEL, MIS AUX VASES, MIS OMARA, MIS MCCLOSKEY, MIS		1946 2880 1948 3030 1956 3100 3120 1946	110 40 30 80 #	0,0	16,0	11 3 3 1 4	0 0 0 0 0	0 0 0 0 0	0 38 37 38		S S L L	9 20 3 5	M ML MC MC	MIS	328	
A80 1952, REV 1956, A80 1958																
*CROSSVILLE W, WHITE, 4S, 10E ----- CYPRESS, MIS AUX VASES, MIS OMARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		1952 2810 1973 3030 1952 3110 1958 3150 1958 3185 1956	240 10 130 150 # #	0,9	375,5	17 1 9 1 3 7	0 0 0 0 0 0	0 0 0 0 0 0	2 37 37 38		S S L L	18 8 X X	M ML M MC	MIS	329	
A80 1953, REV 1956																
DAHLGREN, HAMILTON, 3S, 5E ----- MCCLOSKEY, MIS ULLIN, MIS		1941 3300 1941 4110 1956	620 620 10	0,7	1212,6	45 44 1	0 0 0	0 0 0	2 37 39	0,16	L L	11 15	A A A	OEV	529	
DAHLGREN W, JEFFERSON, 4S, 4E ----- ULLIN, MIS		4019 1960	20 A80 1966	0,0	30,5	2	0	0	0	38	L	6	OEV	524		
*DALE C, FRANKLIN, HAMILTON, SALINE, 5-7S, 4-7E ----- YAR SPRINGS, MIS HARROINSBURG, MIS CYPRESS, MIS BETHEL, MIS AUX VASES, MIS OMARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		1940 2430 1943 2480 2700 1940 2975 3150 1945 3110 3130 3150 1940	18460 480 120 1560 3460 16590 3770 # #	339,2	99220,1	1616 41 12 125 285 1309 108 14 146	2 0 0 0 8 2 3 0 0 3	25 0 0 1 8 20 3 0 0 3	423 36 38 39 38 37 38 38 36		S S S 0,19 0,15 0,22 L8 L	8 8 8 8 8 8 7 7 7	A A A A A A A A A	PC	1305	
(CONTINUED ON NEXT PAGE)																



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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
	Depth (ft)														
(CONTINUED FROM PREVIOUS PAGE)															
EBERLE, EFFINGHAM, 6N, 6E															
SPAR MTN, MIS		2680	110			2	0	0				L8	5 NC		
MCCLOSKEY, MIS		2820 1947	#			4	0	0		38		L	7 N		
ABO 1967, REV 1973															
EOINBURG, CHRISTIAN, 14N, 3W															
LINGLE, OEV		1810 1949	10	0,0	2,3	1	0	0	0	38		L	2 A	OEV	185
ABO 1951															
EOINBURG S, CHRISTIAN, 14N, 3W															
HIBBARD, OEV		1795 1955	20	0,0	4,4	2	0	0	0	39		L3	13	SIL	190
ABO 1963															
*EOINBURG W, CHRISTIAN, SANGAMON, 14N, 3-4W															
DEVONIAN		1954	1760	40,8	2933,6	128	1	0	68				A	ORO	228
SILURIAN		1660 1954	60			7	0	0	41		S	6	A		
		1690 1954	1730			123	1	0	41		L	8	A		
ELBA, GALLATIN, 8S, 8E															
CYPRESS, MIS		2617 1955	210	0,0	25,0	13	0	0	0					MIS	299
BETHEL, MIS		2660 1955	10			1	0	0	37		S				
RENAULT, MIS		2770	80			3	0	0	36		S	10			
AUX VASES, MIS		2780	10			1	0	0	36		L	3			
OMARA, MIS		2820 1955	120			5	0	0	38		S	5			
ABO 1960															
*ELBRIDGE, EOGAR, 12-13N, 11W															
PENNSYLVANIAN		1949	440	5,4	1508,5	40	0	0	19					O	TRN 330
FREDONIA, MIS		760 1950	10			2	0	0	30		S	3		O	
DEVONIAN		950 1949	430			37	0	0	35		L	3		O	
		1950 1949	20			2	0	0	37		L	20		O	
*ELDORADO C +, SALINE, 8S, 6-7E															
OEGONIA, MIS		1941	3560	102,9	11746,7	297	2	0	97				A	MIS	360
PALESTINE, MIS		1700 1976	20			2	2	0			S	16			
TAR SPRINGS, MIS		1920 1950	430			28	0	0	36		S	20	AL		
WALTERS, MIS		2125 1954	1930			144	0	0	38		S	25	AL		
WATSON, MIS		2200 1955	270			19	0	0	37		S	15	AL		
WATSON, MIS		2350 1953	300			30	0	0	38		S	8	AL		
CYPRESS, MIS		2575 1954	270			19	0	0	37		S	8	AL		
SAMPLE, MIS		2680 1954	70			6	0	0	37		S	18	AL		
RENOIST, MIS		2778 1962	#			1	0	0			S	10			
AUX VASES, MIS		2900 1954	910			66	0	0	37		S	12	AL		
OMARA, MIS		2900	90			3	0	0			L	5	AC		
SPAR MTN, MIS		2900	#			2	0	0			L8	4	AC		
MCCLOSKEY, MIS		2975 1941	#			2	0	0	39	0,14	L	5	AC		
*ELDORADO E +, SALINE, 8S, 7E															
PALESTINE, MIS		1953	440	4,6	422,4	31	1	0	8				A	MIS	366
TAR SPRINGS, MIS		1915 1954	30			2	0	0	36		S	10	AL		
CYPRESS, MIS		2190 1954	40			3	0	0	35		S	10	AL		
AUX VASES, MIS		2515 1954	90			6	1	0	37		S	20	AL		
SPAR MTN, MIS		2885 1953	340			20	0	0	38		S	6	AL		
		2975 1954	10			1	0	0	38		L	4	AC		
ELDORADO W +, SALINE, 8S, 6E															
PALESTINE, MIS		1955	50	0,0	46,0	6	0	0	1					MIS	313
RENAULT, MIS		1940 1956	40			3	0	0	30		S	18			
AUX VASES, MIS		2910 1955	20			2	0	0	37		L	6			
		2960 1955	20			2	0	0	38		L	6			
ELK PRAIRIE, JEFFERSON, 48, 2E															
MCCLOSKEY, MIS		1938	20	0,0	41,1	2	0	0	0					MIS	347
SALEM, MIS		2735 1938	20			2	0	0	37		L	7			
		3076 1960	10			1	0	0	37		L	8			
ABO 1940, REV 1960, ABO 1970															
ELKTON, WASHINGTON, 23, 4W															
BAILEY, OEV		2340 1955	40	0,0	2,6	2	0	0	0	40		L	30	OEV	248
ABO 1960															
ELKTON N, WASHINGTON, 23, 4W															
HARDIN, DEV		2320 1971	160	5,8	63,5	9	1	0	9		S	7		ORD	327





TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Producing end of year	Character of oil		Pay zone	Deepest test	
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Gr. API		Sulfur (%)	Kind of rock, avg. thickness in feet, structure		Zone	Depth (ft)
EWING, FRANKLIN, 5S, 3E															
		1944	200	6.5	520.9	10	2	0		2			A	MIS	387
AUX VASES, MIS		2835 1947	40			3	2	0		38	S	8	AL		
MCCLOSKEY, MIS		2970 1944	160			7	0	0		36	L	7	A		
ABO 1971,REV 1976															
EWING E, FRANKLIN, 5S, 3E															
		1956	30	5.1	5.1	3	2	0		2				ORO	951
OHARA, MIS		3010 1956	10			1	0	0		38	L	10			
ST LOUIS, MIS		3265 1976	10			1	1	0			L	8			
ULLIN, MIS		3680 1976	20			2	2	0			L	6			
ABO 1965,REV 1976															
EXCHANGE, MARION, 1N, 3E															
		1943	40	0.9	69.2	3	0	0		1			M	SIL	490
OHARA, MIS		2695	30			1	0	0		37	L	10	MC		
MCCLOSKEY, MIS		2730 1943	#			2	0	0		37	L	8	MC		
SALEM, MIS		3171 1975	10			1	0	0			L	15			
ABO 1967,REV 1975															
*EXCHANGE E, MARION, 1N, 4E															
		1955	230	5.2	533.7	16	0	1		2				MIS	300
OHARA, MIS		2775 1955	220			1	0	0			L	14			
SPAR MTN, MIS		2780	#			7	0	1		37	S	11			
MCCLOSKEY, MIS		2840 1955	#			6	0	0			L	4			
ST. LOUIS, MIS		2940 1955	10			1	0	0		38	L	8			
*EXCHANGE N C, MARION, 1N, 3-4E															
		1951	230	17.5	780.5	24	0	1		15			MC	MIS	339
SPAR MTN, MIS		2682 1967	200			1	0	0			L	3			
MCCLOSKEY, MIS		2763 1951	#			21	0	1		37	L	6	MC		
ST LOUIS, MIS		2946 1972	20			1	0	0			L	6			
SALEM		3080 1967	30			2	0	0		37	L	11	MC		
ABO 1952, REV 1955, ABO 1959, REV 1965															
*EXCHANGE W, MARION, 1N, 3E															
		1957	310	13.0	238.6	25	0	0		7				MIS	300
OHARA, MIS		2540 1966	230			1	0	0			L	7			
SPAR MTN, MIS		2570 1966	#			10	0	0			S	6			
MCCLOSKEY, MIS		2650 1957	#			11	0	0		37	L	6			
ST LOUIS, MIS		2720 1967	130			8	0	0		38	L	11			
*FAIRMAN, MARION, CLINTON, 3N, 1E, 1W															
		1939	610	10.6	2086.5	60	2	0		17			A	ORO	410
BENOIST, MIS		1435 1939	480			44	0	0		38	0.27	S	10	A	
TRENTON, ORO		3950 1957	260			17	3	0		40	L	20	A		
FANCHER, SHELBY, 10N, 4E															
		1962	10	0.0	0.0	1	0	0		0	34	8	3	MIS	188
ABO 1962															
FEHRER LAKE, GALLATIN, 9S, 10E															
		1963	10	0.0	4.7	1	0	0		0	36	L	8	MIS	279
ABO 1966															
FERRIN, CLINTON, 2N, 1W															
		1976	10	0.0	0.0	1	1	0		1				ORO	395
DEVONIAN		2840 1976	10			1	1	0			L	7			
TRENTON, ORO		3930 1976	10			1	1	0			L	18			
PICKLIN, DOUGLAS, 16N, 8E															
		1969	70	2.5	25.9	5	0	0		5		S	8	CAM	530
SPAR MTN, MIS		1470 1969													
FITZGERRELL, JEFFERSON, 4S, 1E															
		1944	10	0.0	16.0	1	0	0		0				MIS	301
BENOIST, MIS		2760 1944	10			1	0	0		37	S	5			
AUX VASES, MIS		2800	10			1	0	0		37	S				
ABO 1952															
*FLORA 3, CLAY, 2N, 6E															
		1946	60	0.0	168.0	4	0	0		0	39	L		AC	DEV
MCCLOSKEY, MIS		2985 1946													477
ABO 1961															



TABLE 8. Illinois oil field statistics, 1976 - continued

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur %API	Sul- (%)		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
	Name and age			Depth (ft)											
(CONTINUED FROM PREVIOUS PAGE)															
GLENARM, SANGAMON, 14N, 5W															
SILURIAN	1680	1955	130	0,5	58,4	9	0	0	1	40	L	9	SIL	182	
				A80 1957, REV 1959, A80 1960, REV 1961											
*GOLOENGATE C, WAYNE, WHITE, EDWARDS, 2-4S, 9-10E															
	1939		7100	173,0	17521,7	507	10	7	181				A	OEV	552
CYPRESS, MIS	2942 1960		90			4	0	0	36		S	8	A		
BETHEL, MIS	3110 1951		350			22	1	0	37		S	11	ML		
AUX VASES, MIS	3180 1944		3510			188	6	2	40	0,14	S	15	AL		
OHARA, MIS	3250 1943		4400			50	0	1	39		OL	6	AC		
SPAR MTN, MIS	3275		#			73	3	1	38		LS	7	AC		
MCCLOSKEY, MIS	3310 1939		#			156	5	3	36	0,19	OL	7	AC		
ST. LOUIS, MIS	3430 1952		30			4	1	0	40		L	10	HL		
SALEM, MIS	4130 1975		70			4	2	0			L	30			
ULLIN, MIS	4125 1961		70			5	1	0	39		L	9	A		
OUTCH CREEK, OEV	5346 1961		350			16	0	0	39		S	10			
GOLDENGATE E, WAYNE, 3S, 9E															
	1951		20	1,8	18,3	2	1	0	2					MIS	342
OHARA, MIS	3290 1951		10			1	0	0	37		L	3			
SPAR MTN, MIS	3340 1976		10			1	1	0			8	4			
				A80 1957, REV 1968											
*GOLOENGATE N C, WAYNE, 1-2S, 8-9E															
	1945		740	32,9	590,6	50	1	0	34				M	MIS	351
BETHEL, MIS	3095 1952		10			2	0	0	38		S	3	ML		
AUX VASES, MIS	3235 1948		370			29	1	0	39		S	25	ML		
OHARA, MIS	3300 1945		480			7	1	0	37		L	4	MC		
SPAR MTN, MIS	3325 1945		#			15	1	0	37		L	5	MC		
MCCLOSKEY, MIS	3350		#			21	0	0	39		L	6	MC		
GRANVIEW +, EDGAR, 12-13N, 13W															
PENNSYLVANIAN	560	1945	70	0,6	5,4	7	0	0	5	30	S	10	M	ORO	269
GRAYSON, SALINE, 8S, 7E															
	1957		30	0,0	22,9	3	0	0	0					MIS	304
CYPRESS, MIS	2515 1957		10			1	0	0	37		S	6			
AUX VASES, MIS	2913 1961		10			1	0	0	38		L	4			
MCCLOSKEY, MIS	2920 1957		20			1	0	0	37		L	6			
				A80 1972											
GREENVILLE GAS +, BONO, 5N, 3W															
LINGLE, OEV	2240	1957	10	0,0	0,0	1	0	0	0	38	L	5	A	TRN	318
				A80 1958											
HAQLEY, RICHLAND, 4N, 14W															
SPAR MTN, MIS	2970	1976	80	4,5	4,5	5	5	0	5		S	10		MIS	310
*HALF MOON, WAYNE, 18, 9E															
	1947		1240	23,9	3240,7	66	1	0	27				M	OEV	536
AUX VASES, MIS	3190 1951		20			1	0	0	38		S	18	ML		
OHARA, MIS	3280		1230			39	1	0	40		L	11	MC		
SPAR MTN, MIS	3280 1947		#			11	0	0			L	4	MC		
MCCLOSKEY, MIS	3300 1947		#			21	0	0	37		L	10	MC		
*MARCO +, SALINE, 8S, 5E															
	1954		1140	39,9	1801,1	94	2	0	43					MIS	342
MARIONSBURG, MIS	2330 1956		30			1	0	0	36		S	6			
CYPRESS, MIS	2618 1959		50			4	1	0	38		S	8			
SAMPLE, MIS	2675 1954		30			4	0	0	39		S	8			
AUX VASES, MIS	2860 1955		990			75	1	0	41		S	15			
OHARA, MIS	2965 1956		220			6	0	0			L	10			
SPAR MTN, MIS	2970 1956		#			8	0	0	39		LS	10			
*MARCO E +, SALINE, 8S, 5E															
	1955		310	9,9	334,6	28	2	0	7					MIS	342
CYPRESS, MIS	2575 1955		100			10	1	0	38		S	20			
AUX VASES, MIS	2865 1956		220			13	0	0	38		S	8			
OHARA, MIS	2880 1955		40			4	1	0	39		L	14			
*HARRISBURG +, SALINE, 8S, 6E															
	1952		100	0,0	252,3	10	0	0	0					MIS	293
WALTERSBURG, MIS	2020 1955		90			9	0	0	38		S	14			
(CONTINUED ON NEXT PAGE)															

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TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test	
	Name and age			Depth (ft)	To end of 1976	During 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year		Gr. API	Sulfur (%)
*HARRISBURG +, SALINE, 33, 6E													
(CONTINUED FROM PREVIOUS PAGE)													
TAR SPRINGS, MIS		2115 1952	10 ABO 1971			1	0	0		37	S	6	
HARRISBURG S, SALINE, 93, 6E													
CYPRESS, MIS		2300 1955	10 ABO 1956	0.0	0.0	1	0	0	0	37	S		MIS 235
HARRISBURG W, SALINE, 93, 6E													
TAR SPRINGS, MIS		1944 1974	30	2.9	6.3	3	0	0	3		S	13	MIS 290
HARRISTOWN, MACON, 16N, 1E													
SILURIAN		2050 1954	210	2.3	133.9	13	0	0	4	39	L	3 HU	SIL 211
HARRISTOWN S, MACON, 16N, 1E													
SILURIAN		2140 1975	30	6.6	6.9	3	2	0	3		L	20	SIL 219
HAYES, DOUGLAS, CHAMPAIGN, 16N, SE													
TRENTON		393 1963	430	0.0	154.7	43	0	0	5	31	L	90	CAM 343
HELENA, LAWRENCE, 2N, 13W													
ST. LOUIS, MIS		2976 1969	10	0.0	0.0	1	0	0	1		L	5	MIS 360
*HERALD C +, WHITE, GALLATIN, 6-63, 9-10E													
PENNSYLVANIAN		1060 1940	6330	200.1	16705.2	551	3	4	210			A	MIS 409
PENNSYLVANIAN		1500 1940	390			1	0	0		29	S	10	AL
PENNSYLVANIAN		1750	#			23	0	0		36	S	15	AL
OEGONIA, MIS		1920 1947	80			5	0	1		29	S	13	AL
CLORE, MIS		1965	60			3	0	0		36	S	12	AL
PALESTINE, MIS		1940	10			2	0	0		36	S	10	AL
WALTERSBURG, MIS		2240 1947	520			2	0	0		34	S	20	AL
TAR SPRINGS, MIS		2260 1944	720			45	0	0		33	S	10	A
CYPRESS, MIS		2660 1947	1890			57	0	1		38	0.24	S	13 A
BETHEL, MIS		2790	190			158	1	2		35	0.22	S	14 A
AUX VASES, MIS		2920 1943	3050			20	0	0		37	S	11	AL
OMARA, MIS		2965	530			229	0	1		38	S	6	AL
SPAR MTN, MIS		3005	#			8	0	0		37	L	6	AC
MCCLOSKEY, MIS		3010 1945	#			7	0	0			L	4	AC
SALEM, MIS		3670 1976	10			25	1	0		35	L	10	AC
						1	1	0			L	5	
HERRIN, WILLIAMSON, 83, 2E													
CYPRESS, MIS		2221 1965	10 ABO 1972	0.0	2.0	1	0	0	0	38	S	9	MIS 263
*HICKORY HILL, MARION, 1N, 4E													
CYPRESS, MIS		2478 1964	60	0.0	22.9	4	0	0	0				MIS 301
BENOIST, MIS		2645 1964	20			1	0	0		36	S	10	
SPAR MTN, MIS		2633 1964	10			2	0	0		37	S	7	
			ABO 1972			1	0	0		37	S	6	
MIDALGO, JASPER, 8N, 10E													
MCCLOSKEY, MIS		2575 1940	50 ABO 1952, REV 1965	1.4	24.6	5	0	0	1	37	0.20	L	4 HC
												OEV	424
MIDALGO E, JASPER, 3N, 10E													
MCCLOSKEY, MIS		2467 1966	10	0.5	12.2	1	0	0	1	37	0	6	MIS 274
MIDALGO N, CUMBERLAND, 9N, 9E													
SPAR MTN, MIS		2655 1946	220	1.8	32.9	16	0	0	10				MIS 280
MCCLOSKEY, MIS		2676 1959	#			11	0	0		37	S	12	
						3	0	0		37	OL	9	
MIDALGO S, JASPER, 3N, 10E													
MCCLOSKEY, MIS		2628 1964	50 ABO 1973	0.0	2.6	4	0	0	0	37	0	4	MIS 304
HIGHLAND, MADISON, 4N, 3W													
(CONTINUED ON NEXT PAGE)													



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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)															
MIGLAND, MADISON, 4N, 3W ----- MARON, DEV		1941 1960	10 ABO 1962	0.0	0.0	1	0	0	0	37	S	7 U	DEV	198	
MILL, EFFINGHAM, 6N, 6E ----- MCCLOSKEY, MIS		2565 1943	60 ABO 1950, REV 1970, ABO 1972	0.3	43.9	4	0	0	0	39	L	5 N	MIS	296	
*MILL E, EFFINGHAM, 6N, 6E ----- CYPRESS, MIS AUX VASES, MIS SPAR MTN, MIS MCCLOSKEY, MIS ST. LOUIS, MIS		1954 2460 1955 2650 1957 2660 1954 2700 1954 2929 1966	490 290 10 250 # 10	3.7 1293.3	38 26 1 2 9 1	0 0 0 0 0 0	0 0 0 0 0 0	4 37 37 40			S S L L O	8 10 5 7 14		MIS 325	
MILLBORD, MONTGOMERY, 9N, 3W ----- LINGLE, DEV		2012 1962	30 ABO 1967	0.0	0.2	3	0	0	0	36	S	4	DEV	215	
HOFFMAN, CLINTON, 1N, 2W ----- CYPRESS, MIS BENOIST, MIS		1939 1190 1320 1939	360 190 240	7.7 815.6	53 16 38	0 0 0	0 0 0	30 36 33			S S S	11 7 7	A A A	DEV 291	
MOOREVILLE E, HAMILTON, 5S, 7E ----- MCCLOSKEY, MIS		3365 1944	10 ABO 1944	0.0	0.6	1	0	0	0	37	L	3 N	MIS	341	
*MORO, CLAY, 5N, 6E ----- AUX VASES, MIS STE. GEN, MIS		1950 2702 1959 2800 1950	270 70 270	2.2 586.5	19 6 13	0 0 0	0 0 0	2 38 37			S S L	10 5 5	M M M	MIS 295	
MORO N, EFFINGHAM, 6N, 6E ----- CYPRESS, MIS AUX VASES, MIS		1958 2430 1958 2633 1959	60 40 30	5.0 174.3	6 3 3	0 0 0	0 0 0	4 33 38			S S S	10		MIS 286	
*MORO S C, CLAY, 5N, 6E ----- AUX VASES, MIS STE. GEN, MIS		1942 2735 1955 2790 1942	380 20 380 ABO 1945, REV 1951	2.5 1797.6	28 2 26	0 0 0	4 0 4	9 37 36			S S L	8 8 7	N N NC	MIS 310	
HORNSBY S, MACOUPIN, 8N, 6W ----- PENNSYLVANIAN		640 1956	50 ABO 1957, REV 1959, ABO 1960	0.0 0.0	0.0	4	0	0	0	28	S	1	PEN	71	
HOYLETON W, WASHINGTON, 1S, 2W ----- CLEAR CREEK, DEV		2895 1955	10 ABO 1964	0.0	3.7	1	0	0	0	39	L	12	SIL	296	
HUEY, CLINTON, 2N, 2W ----- BENOIST, MIS		1260 1945	80 ABO 1974	0.0	5.4	7	0	0	0	34	S	6 AL	DEV	277	
HUEY S, CLINTON, 1-2N, 2-3W ----- CYPRESS, MIS SILURIAN		1953 1080 1953 2585 1956	310 190 110	5.6 266.1	23 17 6	0 0 0	0 0 0	15 34 40			S S L	5 5 10		SIL 267	
MUNT CITY, JASPER, 7N, 10E ----- SPAR MTN, MIS		2540 1945	10 ABO 1950	0.0	0.8	1	0	0	0	37	S	10 HL	MIS	302	
MUNT CITY E, JASPER, 7N, 14W ----- FREONIA, MIS ST. LOUIS, MIS		1952 2000 1952 2187 1966	90 90 10 ABO 1954, REV 1965	0.0 20.9	8 8 1	0 0 0	1 1 0	1 40 39			L O O	6 20		SIL 366	

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Depth (ft)	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test	
					During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			Gr. fur %API	Kind of rock, avg. thickness in feet, structure
	Name and age													
MUNT CITY S, JASPER, 7N, 14W														
MCCLOSKY, MIS		2341	1966	30	1.1	13.9	3	0	0	2	33	L	4	MIS 276
MUTTON, COLES, 11N, 10E														
PENNSYLVANIAN		530	1939	20	0.0	15.0	2	0	0	0	30	S	15	MIS 96
ABO 1946														
*INA, JEFFERSON, 4S, 2-3E														
			1933	430	0.0	747.7	28	0	0	1				MIS 352
RENAULT, MIS		2725	1954	150			7	0	0		36	S	14	AL
AUX VASES, MIS		2682	1953	30			3	0	0		36	S	26	A
SPAR MTN, MIS		2775	1957	110			3	0	0			S	10	A
MCCLOSKY, MIS		2775		#			4	0	0		35	L	10	A
ST. LOUIS, MIS		3000	1938	90			3	0	0		37	0.20	4	AC
SALEM, MIS		3210	1957	40			4	0	0		37	L	9	A
ABO 1946, REV 1954														
INA N, JEFFERSON, 4S, 3E														
MCCLOSKY, MIS		2940	1949	10	0.0	0.7	1	0	0	0	35	L	4	MIS 368
ABO 1950														
INCLOSE +, EOGAR, CLARK, 12N, 13-14W														
ISABEL, PEN		345	1941	110	0.2	X	15	1	0	4	30	S	AL	MIS 160
*INGRAMAM, CLAY, 4N, 8E														
			1942	680	9.0	938.7	47	0	0	5				MIS 370
TAR SPRINGS, MIS		2332	1969	10			1	0	0			S	S	HL
AUX VASES, MIS		2915		80			6	0	0		35	S	15	HL
SPAR MTN, MIS		3000		620			34	0	0		37	0.21	7	MC
MCCLOSKY, MIS		3075	1942	#			8	0	0		37	0.21	L	S
ABO 1942, REV 1943, ABO 1944, REV 1950, ABO 1963, REV 1969														
*INMAN E C, GALLATIN, 7-8S, 10E														
			1940	4470	77.7	21924.2	427	2	12	134				OEI 510
PENNSYLVANIAN		730		50			4	0	0		35	S	10	AF
PENNSYLVANIAN		1450		#			2	0	0			S	4	AF
OEGONIA, MIS		1690		90			4	0	0		37	S	10	AF
CLORE, MIS		1725	1942	50			6	0	0		36	S	8	AF
PALESTINE, MIS		1840	1942	90			4	0	0		35	S	13	AF
WALTERSBURG, MIS		1980	1942	1220			83	0	3		37	S	18	AF
TAR SPRINGS, MIS		2080	1940	1540			156	0	2		37	0.24	S	13
HARDINSBURG, MIS		2135	1943	250			17	0	1		34	S	10	AF
CYPRESS, MIS		2390		2370			163	1	3		37	0.23	S	14
RENAULT, MIS		2675	1967	10			1	0	0		36	S	5	AF
AUX VASES, MIS		2715		520			36	1	1		37	S	8	AF
OHARA, MIS		2795	1947	150			2	1	0			L	5	AF
SPAR MTN, MIS		2790		#			1	0	0			L	7	AF
MCCLOSKY, MIS		2800		#			7	0	0		39	L	5	AF
ST. LOUIS, MIS		2960	1957	40			6	0	0		38	L	10	AF
*INMAN W C, GALLATIN, 7-8S, 9-10E														
			1940	3350	122.9	5874.4	343	1	2	187				MIS 335
PENNSYLVANIAN		925		190			5	0	0			S	5	NL
PENNSYLVANIAN		1630		#			4	0	0			S	5	NL
BIEHL, PEN		1750		#			7	0	0		35	S	12	NL
PALESTINE, MIS		1765	1947	40			4	0	0		35	S	13	NL
WALTERSBURG, MIS		2030		130			3	0	0		37	S	10	TL
TAR SPRINGS, MIS		2140	1943	1340			93	1	0		36	S	5	TL
HARDINSBURG, MIS		2300	1947	280			21	0	0		32	S	10	TL
CYPRESS, MIS		2475	1942	2200			169	0	2		37	S	10	T
SAMPLE, MIS		2610		50			1	0	0		36	S	30	T
RENAULT, MIS		2775	1949	30			3	0	0		37	L	7	T
AUX VASES, MIS		2790	1949	910			73	0	0		37	S	15	TL
OHARA, MIS		2815		250			6	0	0			L	12	TC
SPAR MTN, MIS		2815	1940	#			4	0	0		38	L	5	TC
MCCLOSKY, MIS		2940	1941	#			15	0	0		36	0.19	L	6
ST LOUIS, MIS		3150	1967	10			1	0	0		39	L	6	TC
IOLA CEN, CLAY, 5N, 5E														
			1954	180	7.4	57.1	17	0	2	12				MIS 280
CYPRESS, MIS		2277	1972	110			10	0	2			S	15	
BENOIST, MIS		2420	1954	60			6	0	0		36	S	5	
ABO 1957, REV 1965														
*IOLA C, CLAY, EFFINGHAM, 5-6N, 5-6E														
			1939	3450	204.7	15756.1	307	1	9	220				OEI 422
TAR SPRINGS, MIS		1390		20			1	0	0		35	S	9	AL
CYPRESS, MIS		2125	1943	750			52	1	0		35	S	15	A
BETHEL, MIS		2255	1942	60			5	0	0		36	S	10	AL

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			Gr. API	Sulfur (%)
(CONTINUED FROM PREVIOUS PAGE)														
*IOLA C, CLAY, EFFINGHAM, 5-6N, 5-6E														
BENOIST, MIS	2290	1260		87	0	0		36	0.14	S	12	A		
RENAULT, MIS	2320	10		1	0	0				L	X	AC		
AUX VASES, MIS	2325 1939	2420		195	0	0		36	0.25	S	10	A		
OHARA, MIS	2410 1963	1470		1	0	0				L	6	A		
SPAR MTN, MIS	2430	#		67	0	0		37		LS	7	A		
MCCLOSKEY, MIS	2425 1940	#		53	0	0		38		OL	10	A		
IOLA S, CLAY, 4N, 5E														
	1947	340	41.3	410.2	26	2	0	11				A	SIL	507
BENOIST, MIS	2490 1948	170			11	0	0	36		S	10	AL		
SPAR MTN, MIS	2590	230			7	1	0			L	6	AC		
MCCLOSKEY, MIS	2650 1947	#			8	1	0	37		L	3	AC		
CARPER, MIS	3900 1967	10			1	0	0	38		S	7			
IOLA W, CLAY, 5N, 5E														
MCCLOSKEY, MIS	2495 1945	10	0.0	0.5	1	0	0	0	37	L	11	MC	MIS	261
ABO 1945														
*IRVINGTON, WASHINGTON, 1S, 1W														
	1940	1410	99.7	9220.5	139	0	0	90				A	ORO	444
BEECH CREEK, MIS	1525 1951	10			1	0	0	38		L	3	AC		
CYPRESS, MIS	1380 1943	410			35	0	0	36		S	12	A		
BENOIST, MIS	1535 1940	1040			85	0	0	37	0.16	S	12	A		
CLEAR CREEK, OEV	3090	280			17	0	0	39	0.27	L	12	A		
TRENTON, ORO	4275 1956	110			6	0	0	39		L	90	A		
*IRVINGTON E, JEFFERSON, 1S, 1E														
	1951	340	33.0	1047.3	27	0	0	25					MIS	222
PENNSYLVANIAN	1030 1951	40			5	0	0	32		S	15			
CYPRESS, MIS	1750 1955	120			7	0	0	37		S	15			
BENOIST, MIS	1950 1955	200			18	0	0	37		S				
IRVINGTON N, WASHINGTON, 1N, 1S, 1W														
	1953	310	17.9	1371.6	28	0	0	26				A	ORD	433
CYPRESS, MIS	1340	60			5	0	0	37		S	16	AL		
BENOIST, MIS	1470 1953	250			22	0	0	39		S	6	AL		
IRVINGTON W, WASHINGTON, 1S, 1W														
CYPRESS, MIS	1460 1963	50	0.3	10.3	3	0	0	2	36	S	20		MIS	190
*IUKA, MARION, 2N, 4E														
	1947	710	15.5	1066.6	46	0	0	18				M	OEV	437
AUX VASES, MIS	2528 1960	40			3	0	0	37		S	11	M		
OHARA, MIS	2650	580			7	0	0			L	5	MC		
SPAR MTN, MIS	2660	#			6	0	0			L	15	MC		
MCCLOSKEY, MIS	2750 1947	#			27	0	0	39		L	10	MC		
ST. LOUIS, MIS	2775 1952	200			8	0	0	37		L	5	MC		
IUKA S, MARION, 2N, 4E														
MCCLOSKEY, MIS	2680 1971	220	21.3	327.0	12	0	1	9		L	5		MIS	288
IUKA W, MARION, 2N, 3-4E														
MCCLOSKEY, MIS	2700 1955	60	3.6	58.5	5	0	0	3	37	L	5		MIS	330
JACKSONVILLE GAS +, MORGAN, 15N, 9W														
	1910	90	0.0	2.0	11	0	1	1					ORD	139
GAS, PEN, MIS	330 1910	80			9	0	0	37		LS	5	ML		
MCCLOSKEY, MIS	272 1972	10			1	0	0			L	29			
SALEM, MIS	294 1972	20			2	0	1			L	19			
ABO 1937, REV 1967, ABO 1969, REV 1972														
*JOHNSON N, CLARK, 9-10N, 14W														
	1907	2370	X	X	634	0	10	275				AM	ORO	451
KICKAPOO, PEN	315	2360			34	0				S	X	AM		
CLAYPOOL, PEN	415	#			303	0				8	X	AM		
CASEY, PEN	465	#			196	0		32		S	X	AM		
UPPER PARTLOW, PEN	535	#			51	0				8	X	AM		
MCCLOSKEY, MIS	556	60			X	0		35		OL	6	AM		
CARPER, MIS	1325	290			11	0		37		8	X	AM		
DEVONIAN	1720 1973	10			1	0				L	45			
SEE CLARK COUNTY DIVISION FOR PRODUCTION														

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test				
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*JOHNSON S, CLARK, 9N, 14W																
		1907	2060	X	X	661	1	22	163					AM	OEV	203
	CLAYPOOL, PEN	390	2050			39	0					8	X	AM		
	CASEY, PEN	450	#			60	0					30	X	AM		
	UPPER PARTLOW, PEN	490	#			433	1					31	S	48	AM	
	LOWER PARTLOW, PEN	600	#			181	0					29	S	X	AM	
	AUX VASES, MIS	717 1961	40			1	0					35	S	21	A	
	CARPER, MIS	1740 1971	20			1	0						S	22		
SEE CLARK COUNTY DIVISION FOR PRODUCTION																
*JOHNSONVILLE C, WAYNE, 1N, 1S, 6-7E																
		1940	8950	366.1	52538.0	466	2	4	176					A	TRN	646
	BETHEL, MIS	2950	30			3	0	0				36	S	12	AL	
	AUX VASES, MIS	3020	2870			158	0	1				38	0.14	S	20	AL
	OMARA, MIS	3120 1943	8170			30	0	0				38	OL	10	AC	
	SPAR MTN, MIS	3150	#			9	0	0				38	OL	8	AC	
	MCCLOSKEY, MIS	3170 1940	#			339	1	3				38	0.17	OL	15	AC
	ST. LOUIS, MIS	3256 1961	110			10	0	0				38	L	14	A	
	SALEM, MIS	3852 1960	50			3	1	0				39	L		AC	
JOHNSONVILLE N, WAYNE, 1N, 6E																
		1943	150	0.0	91.8	8	0	0	0					A	MIS	333
	OMARA, MIS	3190 1943	150			1	0	0				38	0.17	OL	3	AC
	SPAR MTN, MIS	3220	#			7	0	0					L	8	AC	
	MCCLOSKEY, MIS	3250 1943	#			1	0	0				38	0.17	OL	3	AC
A80 1966, REV 1968, A80 1969																
*JOHNSONVILLE S, WAYNE, 1S, 6E																
		1942	770	147.9	958.3	60	24	0	26					A	MIS	404
	AUX VASES, MIS	3060 1942	340			27	0	0				38		15	A	
	SPAR MTN, MIS	3160	250			3	2	0					L	4	AC	
	MCCLOSKEY, MIS	3200 1942	#			13	6	0				38	L	5	AC	
	SALEM, MIS	3772 1975	270			18	17	0					L	30		
*JOHNSONVILLE W, WAYNE, 1N, 1S, 5-6E																
		1942	870	28.3	2253.6	69	1	0	21					M	MIS	375
	BETHEL, MIS	2925 1952	40			1	0	0				37	S	7	ML	
	AUX VASES, MIS	2900 1943	440			37	1	0				37	S	6	ML	
	OMARA, MIS	2930	390			5	0	0					L	6	MC	
	SPAR MTN, MIS	3015	#			10	0	0					L	4	MC	
	MCCLOSKEY, MIS	3100 1942	#			18	0	0	40				L	7	MC	
*JOHNSTON CITY E, WILLIAMSON, 8S, 3E																
		1959	290	71.2	898.5	20	1	1	14						MIS	299
	CYPRESS, MIS	2290 1959	130			9	0	0				37	S	20		
	BETHEL, MIS	2500 1975	10			1	0	1					S	5		
	AUX VASES, MIS	2620 1962	260			12	0	0				36	S	10		
	OMARA, MIS	2660 1975	20			1	0	1					L	5		
	SPAR MTN, MIS	2660 1963	#			2	1	0					L	7		
	MCCLOSKEY, MIS	2680 1963	#			1	0	0	38				OL	12		
JOHNSTON CITY N E, WILLIAMSON, 8S, 3E																
	AUX VASES, MIS	2818 1969	50	7.9	211.7	4	0	0	4				S	16	MIS	301
*JUNCTION, GALLATIN, 9S, 9E																
		1939	380	2.4	691.2	32	0	0	8					M	MIS	360
	PENNSYLVANIAN	1150 1947	30			4	0	0				35	S	7	ML	
	WALTERSBURG, MIS	1750 1939	300			26	0	0				37	S	14	ML	
	MARDINSBURG, MIS	2120 1949	30			1	0	0				34	S	5	ML	
	CYPRESS, MIS	2275 1954	20			2	0	0				37	S	12	ML	
	MCCLOSKEY, MIS	2730 1955	10			1	0	0	37				L	9	MC	
*JUNCTION E, GALLATIN, 8-9S, 9E																
		1953	150	5.7	116.5	9	0	0	8						MIS	297
	WALTERSBURG, MIS	2000 1953	140			8	0	0				37	S	14		
	TAR SPRINGS, MIS	2119 1973	10			1	0	0					S	25		
*JUNCTION N, GALLATIN, 8-9S, 9E																
		1946	270	2.8	249.3	24	0	0	10					M	MIS	298
	PENNSYLVANIAN	1565 1947	100			10	0	0				36	S	16	ML	
	WALTERSBURG, MIS	1990 1973	80			5	0	0					S	20		
	CYPRESS, MIS	2450 1954	30			3	0	0				37	S	10	ML	
	AUX VASES, MIS	2725 1946	40			3	0	0				36	S	4	ML	
	SPAR MTN, MIS	2860 1955	40			3	0	0	37				L	6	MC	

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test				
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year		Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
JUNCTION CITY C, MARION, 2N, 1E																
		1910	170	0,8	31,3	17	0	0	12			NL	OEV	334		
OYKSTRA (CUBA), PEN		510 1910	170			11	0	0	32	S	X	NL				
WILSON, PEN		680 1952	#			6	0	0		S	S	NL				
KEENSBURG E, WABASH, 2S, 13W																
		1939	40	0,0	9,0	3	0	0	0			M	MIS	230		
OHARA, MIS		2705 1945	40			1	0	0				MC				
MCCLOSKEY, MIS		2710 1939	#			2	0	0	38	0,26	L	6	MC			
			480	1947												
KEENSBURG S, WABASH, 2-3S, 13W																
		1944	320	26,1	1022,1	30	1	0	16			A	MIS	338		
PENNSYLVANIAN		1145 1944	150			16	0	0	33	S	15	AL				
CYPRESS, MIS		2385 1951	130			11	0	0	36	S	9	AL				
OHARA, MIS		2715 1944	20			1	0	0	38	L	10	AC				
SALEM, MIS		3200 1973	20			2	1	0		L	S					
KEENVILLE, WAYNE, 1S, 5E																
		1945	710	12,5	2295,7	55	0	1	6			A	MIS	355		
AUX VASES, MIS		2960 1945	340			25	0	0	37	S	20	AL				
OHARA, MIS		3050 1946	440			5	0	0		L	8	AC				
SPAR M7N, MIS		3060	#			1	0	0		L	10	AC				
MCCLOSKEY, MIS		3100	#			29	0	1	37	L	7	AC				
KEENVILLE E, WAYNE, 1S, 5E																
		1951	90	1,5	95,4	6	0	0	3				MIS	363		
SPAR M7N, MIS		3075 1967	50			1	0	0		L	4					
MCCLOSKEY, MIS		3120 1951	#			5	0	0	37	L	10					
S7 LOUIS, MIS		3190 1967	10			2	0	0	39	L	10					
KELL, JEFFERSON, 1S, 3E																
		1942	50	0,0	14,0	5	0	0	0	37	0,26	L	A	MIS		
MCCLOSKEY, MIS		2625 1942	480	1944, REV 1958, 480	1962									292		
KELL N, MARION, 1N, 3E																
		1976	20	0,2	0,2	2	2	0	2				MIS	311		
S7 LOUIS, MIS		2695 1976	20			2	2	0		L	4					
SALEM, MIS		2770 1976	20			2	2	0		L	4					
KELL W, MARION, 1N, 2E																
		1962	10	0,0	0,3	1	0	0	0	38	DL	6	MIS	247		
MCCLOSKEY, MIS		2354 1962	450	1964												
KELLERVILLE, ADAMS, BROWN, 1-2S, 5W																
		1959	630	3,3	216,0	57	2	4	14	37	D	7	AC	97P		
SILURIAN		637 1959												107		
KENNER, CLAY, 3N, 5-6E																
		1942	1290	25,1	2423,3	108	2	1	24			A	31L	497		
7AR SPRINGS, MIS		2200 1945	10			1	0	0	37	S	7	AL				
SENOI37, MIS		2690 1942	710			57	1	0	37	0,22	S	10	A			
RENAULT, MIS		2761 1953	240			17	1	0	37	S	9	A				
AUX VASES, MIS		2835 1943	850			49	0	1	38	S	9	AL				
SPAR M7N, MIS		2575 1947	150			5	1	0		LS	5	AC				
MCCLOSKEY, MIS		2930 1945	#			6	1	0	37	L	7	AC				
S7, LOUIS, MIS		2973 1964	10			1	0	0	37	L	4					
CARPER, MIS		4221 1959	10			1	0	0	39	S	10	A				
DEVONIAN		4424 1959	40			2	0	0	36	L	55	A				
KENNER N, CLAY, 3N, 6E																
		1947	390	0,0	333,6	36	0	0	1			A	ORO	603		
SENOI37, MIS		2755 1947	390			31	0	0	37	S	5	A				
MCCLOSKEY, MIS		2970 1947	50			5	0	0	37	L	6	AC				
KENNER S, CLAY, 2N, 5E																
		1950	40	1,2	20,1	4	0	0	2			A	MIS	300		
SENOI37, MIS		2730 1967	20			2	0	0	37	S	5	A				
AUX VASES, MIS		2763 1971	10			1	0	0		S	6					
MCCLOSKEY, MIS		2870 1950	30			4	0	0	37	L	10	AC				
			450	1952, REV 1967												





TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (H bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
	Name and age			Depth (ft)											
LANGEWISCH-KUESTER, MARION, 1N, 1E															
		1910	110	0,0	35,0	15	0	0	0				N	OEV	350
UNNAMED, PEN		795 1951	10			2	0	0		32	S	X	N		
CYPRESS, MIS		1600 1910	100			13	0	0		35	S	X	N		
LAWRENCE, LAWRENCE, CRAWFORD, 2-5N, 11-13W															
		1906	36070	X	X	6956	42	55	2702				A	CAM	926
TRIVOLI, PEN		290	10920			19	0	0		28	S	X	A		
CUBA, PEN		450	#			4	0	0			S	X	A		
BRIDGEPORT, PEN		800	#			1361	4	9		36	S	40	A		
PENNSYLVANIAN		950	#			23	0	0			S	15	A		
BUCHANAN, PEN		1250	#			559	7	0		33	S	15	A		
RIOGLEY		1300	#			X	0	0			S	X			
TAR SPRINGS, MIS		1410	70			8	4	0		34	S	10	A		
HARDINSBURG, MIS		1570	110			12	0	0		33	S	10	A		
JACKSON, MIS		1370	1460			323	2	0		33	S	15	A		
CYP(KIRKWOOD), M		1400	22190			4514	9	26		40	S	30	A		
SAMPLE, MIS		1600	9800			179	0	0		35	S	8	A		
BETH(TRACEY), MIS		1650	#			1014	2	2		38	S	20	A		
BENOIST, MIS		1695	#			96	1	0		37	S	7	A		
AUX VASES, MIS		1775	760			57	5	1		38	S	8	A		
OHARA, MIS		1750	12200			15	0	0			L	8	A		
SPAR MTN, MIS		1860	#			70	3	0		33	LS	4	A		
MCCLOSKEY, MIS		1860	#			1146	5	18		40	L	10	A		
ST. LOUIS, MIS		1660	290			12	0	0		35	L	10	A		
SALEM, MIS		1955	110			6	2	0		36	L	2	A		
DEVONIAN		2934 1975	10			12	11	0		39	L	12			
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION															
LAWRENCE COUNTY DIVISION, LAWRENCE, CRAWFORD															
		1900	37020	3076,3	373915,4	7045	42	55	2738					CAM	926
TOTALS FOR LAWRENCE AND ST. FRANCISVILLE FIELDS															
LAWRENCE W, LAWRENCE, 3N, 13W															
		1952	800	21,5	470,5	67	16	0	47					MIS	305
PAINT CREEK, MIS		1978 1962	700			8	0	0		35	S	13			
BETHEL, MIS		2050 1952	#			42	8	0		33	S	15			
AUX VASES, MIS		2110 1953	60			7	5	0		36	S	8			
OHARA, MIS		2214 1968	110			2	1	0			L	16			
SPAR MTN, MIS		2193 1963	#			4	2	0			L	2			
MCCLOSKEY, MIS		2225 1953	#			6	4	0		40	L	11			
LEXINGTON, WABASH, 1S, 14W															
		1947	160	7,5	472,2	15	0	0	4				A	MIS	303
CYPRESS, MIS		2585 1953	10			1	0	0		32	S	10	AL		
BENOIST, MIS		2733 1972	20			2	0	0			S	4			
OHARA, MIS		2912 1968	130			1	0	0			L	3			
MCCLOSKEY, MIS		2970 1947	#			12	0	0		38	L	8	AC		
LEXINGTON N, WABASH, 1S, 14W															
STE, GEN, MIS		2915 1951	20	0,0	6,4	2	0	0	0	38	L	4	MC	MIS	304
A80 1958															
LILLYVILLE, CUMBERLAND, EFFINGHAM, 8-9N, 6-7E															
		1946	190	14,9	606,1	15	1	0	9					OEV	400
SPAR MTN, MIS		2433 1968	200			1	0	0			S	6			
MCCLOSKEY, MIS		2425 1946	#			13	1	0		36	L	10	A		
LILLYVILLE N, CUMBERLAND, 9N, 7E															
		1974	80	43,8	356,7	5	0	0	5					ORO	650
SPAR MTN, MIS		2405 1974	80			3	0	0			S	7			
MCCLOSKEY, MIS		2440 1974	#			5	0	0			L	20			
SALEM, MIS		2840 1974	60			4	0	0			L	5			
GENEVA, OEV		3825 1974	30			3	0	0			D	10			
LIS, JASPER, 7N, 9E															
SPAR MTN, MIS		3022 1964	10	0,0	0,5	1	0	0	0	37	S	5		MIS	305
A80 1967															
LITCHFIELD, MONTGOMERY, 8-9N, 5W															
UNNAMED, PEN		660 1886	150	0,0	24,0	18	0	0	0	23	0,24	S	0	STP	300
A80 1904, REV 1942, A80															
LITCHFIELD S, MONTGOMERY, 8N, 5W															
PENNSYLVANIAN		610 1967	50	0,0	0,0	4	0	0	2	23	S	3		OEV	192

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Kind of rock, avg. thickness in feet, structure	Deepest test			
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year			Gr. API	Sul- fur (%)	Zone	Depth (ft)
*LIVINGSTON, MADISON, 6N, 6W																
-----PENNSYLVANIAN-----																
		535	1948	490	4.2	708.8	66	1	1	25	35	S	15	ML	ORO	237
*LIVINGSTON S +, MADISON, 5-6N, 6W																
-----PENNSYLVANIAN-----																
		530	1950	610	16.2	538.8	74	3	1	53	35	S	7	ML	SIL	173
*LOCUST GROVE, WAYNE, 1N, 9E																
-----																
			1951	150	1.3	251.0	13	0	2	1					MIS	419
AUX VASES, MIS	3215	1951	110				8	0	2		36	S	10			
OMARA, MIS	3240	1951	40				4	0	0			L	4			
MCCLOSKEY, MIS	3280	1951	#				1	0	0		37	L	6			
LOCUST GROVE S, WAYNE, 1S, 9E																
-----																
			1953	170	0.0	112.4	10	0	0	0					MIS	341
OMARA, MIS	3248	1953	170				2	0	0		39	L	6			
SPAR MTN, MIS	3300	1953	#				5	0	0		37	L	10			
MCCLOSKEY, MIS	3286	1958	#				4	0	0		39	L	4			
ASO 1971, REV 1972, ASO 1974																
LOGAN, FRANKLIN, 7S, 3E																
-----																
			1966	30	2.6	80.0	3	0	0	2					MIS	317
AUX VASES, MIS	2920	1968	10				1	0	0			S	8			
SPAR MTN, MIS	3029	1966	20				1	0	0			L	4			
MCCLOSKEY, MIS	3082	1966	#				1	0	0		34	L	8			
LONG BRANCH, SALINE, HAMILTON, 7S, 6E																
-----																
			1950	70	1.0	329.7	12	0	0	3					MIS	338
PALESTINE, MIS	2070	1950	20				2	0	0			S	3	AL		
CYPRESS, MIS	2745	1951	20				3	0	0		37	S	13	AL		
AUX VASES, MIS	3095		40				6	0	0		37	S	9	AL		
MCCLOSKEY, MIS	3220	1950	20				2	0	0		37	L	5	AC		
LONG BRANCH S, SALINE, 8S, 6E																
-----																
			1955	10	0.0	8.9	1	0	0	0		S	8		MIS	321
CYPRESS, MIS	2660	1955	10				1	0	0			S	8			
ASO 1971																
*LOUDEN +, FAYETTE, EFFINGHAM, 6-9N, 2-4E																
-----																
		1937	24570	2254.1	363415.4	2372	27	6	1223						PC	361
CYPRESS, MIS	1500		21430			1593	10	5		36	0.25	S	30	A		
BETHEL, MIS	1540		9030			378	21	4		38	0.24	S	15	A		
BENOIST, MIS	1550	1937	7050			725	10	0		38	0.20	S	10	A		
AUX VASES, MIS	1600		540			10	0	0		37	0.17	S	6	AL		
MCCLOSKEY, MIS	1785	1955	10			1	0	0		37		L	4	AC		
CARPER, MIS	2830	1952	30			4	0	0		36		S	9	AL		
GENEVA, OEV	3000	1937	2630			94	0	0		28	0.48	O	15	A		
TRENTON, ORO	3905	1955	20			2	0	0				L	12	A		
LOUISVILLE, CLAY, 4N, 6E																
-----																
			1974	210	67.7	96.0	21	11	3	19					OEV	436
AUX VASES, MIS	2800	1974	40				4	1	1			S	6			
SPAR MTN, MIS	2960	1974	210				5	4	0			S	10			
MCCLOSKEY, MIS	2872	1974	#				13	6	2			OL	6			
SALEM, MIS	3386	1974	10				1	0	0			L	4			
ULLIN, MIS	3530	1974	10				1	0	0			L	4			
*LOUISVILLE N, CLAY, 4N, 6E																
-----																
			1953	110	0.0	56.3	3	0	1	1					MIS	297
AUX VASES, MIS	2755	1953	40				2	0	0		37	S	10	ML		
SPAR MTN, MIS	2812	1961	70				6	0	1		37	L	9	ML		
ASO 1956, REV 1962, ASO 1973, REV 1974																
LOUISVILLE S, CLAY, 3N, 6E																
-----																
			1960	20	0.0	0.0	2	0	0	0					DEV	474
AUX VASES, MIS	2923	1960	10				1	0	0		38	S	6			
OMARA, MIS	2993	1960	10				1	0	0		36	L	2			
ASO 1967																
LYNCHBURG, JEFFERSON, 3S, 4E																
-----																
			1951	60	1.6	321.2	3	0	0	1	38	L	8	AC	MIS	357
MCCLOSKEY, MIS	3045	1951														
*MCKINLEY, WASHINGTON, 3S, 4W																
-----																
			1940	250	1.9	767.0	30	0	0	6					ORO	398
(CONTINUED ON NEXT PAGE)																

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur %API	Sul- (X)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
(CONTINUED FROM PREVIOUS PAGE)																
*MCKINLEY, WASHINGTON, 3S, 4W																
BENOIST, MIS	1050	1940		180			17	0	0		41	0.18	S	5	O	
SILURIAN	2240			190			12	0	0		40		L	40	R	
MACEONIA, FRANKLIN, 5S, 4E																
ULLIN, MIS	4097	1961		10	0.0	6.0	1	0	0	0	37		L	12	DEV	524
				ABO 1965												
*MAIN C +, CRAWFORD, LAWRENCE, JASPER, 5-8N, 10-14W																
		1906	61940	1134.2	226832.6		11643	188	47	3246					STP	531
CUBA, PEN	510		59750				75	0	0		32		S	X	HL	
UNNAMED, PEN	750						4	0	0				S	5	HL	
ROBINSON, PEN	950						10128	170	43		35		S	25	HL	
PENNSYLVANIAN	1250						34	4	3				S	X	HL	
BARLOW, MIS	1201	1968	10				1	0	0				OL	10		
CYPRESS, MIS	1480	1954	660				43	0	0		34		S	15	HL	
PAINT CREEK, MIS	1280		5020				X	0	0		36		S	30	HL	
BETHEL, MIS	1400						168	3	1		36		S	18	HL	
AUX VASES, MIS	1430		2910				131	2	1		35		S	15	HL	
SPAR MTN, MIS	1515		680				2	0	0				S	6	MC	
MCCLO (OBLONG), MIS	1400						149	0	0		35		L	X	MC	
SALEM, MIS	1815	1947	290				14	0	0		37		L	5	MC	
DEVONIAN	2795	1941	340				11	8	0		40		L	11	MC	
TRENTON, ORD	3900	1976	10				1	1	0				L	75		
*MAPLE GROVE C, EDWARDS, WAYNE, 1-2N, 9-10E																
		1943	2290	47.0	4572.6		127	9	1	31					A	MIS 414
AUX VASES, MIS	3145	1943	640				43	6	0		38		S	15	A	
OHARA, MIS	3230	1945	1700				5	1	0		27		L	3	AC	
SPAR MTN, MIS	3250						2	1	0				L	1	AC	
MCCLOSKEY, MIS	3260	1943					83	1	1		41		L	6	A	
SALEM, MIS	3660	1967	20				3	2	0		39		L	4		
ULLIN, MIS	4057	1976	10				1	1	0				L	7		
MAPLE GROVE S, EDWARDS, 1N, 10E																
MCCLOSKEY, MIS	3250	1945			0.0	10.5	2	0	0	0	38		L	10	MC	MIS 335
					ABO 1950, REV 1970, ABO 1973											
MARCOE, JEFFERSON, 3S, 2E																
		1938	20	0.8	14.0		2	0	0	2						MIS 352
SPAR MTN, MIS	2700	1976	10				1	1	0				S	18		
MCCLOSKEY, MIS	2745	1938	20				2	0	0		25	0.54	L	15	MC	
*MARINE, MADISON, 4N, 6W																
DEV-SIL	1700	1943	2470	41.0	11895.8		148	0	0	116	35	0.28	L	20	R	ORD 261
MARINE W, MADISON, 5N, 7W																
DEVONIAN	1693	1965	100	0.5	25.1		6	0	2	1	35		L	3		ORD 235
MARION, WILLIAMSON, 9S, 3E																
		1950	20	0.0	0.2		2	0	0	1						MIS 256
AUX VASES, MIS	2385	1950	10				1	0	0		40		S	5		
OHARA, MIS	2470	1975	10				1	0	0				L	8		
					ABO 1951, REV 1975											
MARION E, WILLIAMSON, 9S, 3E																
BETHEL, MIS	2295	1959	10	0.0	1.1		2	0	0	0	37		S	8		MIS 264
					ABO 1963											
MARISSA W +, ST. CLAIR, RANDOLPH, 3-4S, 7W																
CYPRESS, MIS	215	1960	70	0.0	0.0		3	0	0	0	25		S	3		MIS 30
					ABO 1966											
*MARKHAM CITY, JEFFERSON, 2-3S, 4E																
STE. GEN, MIS	3070	1942	340	4.0	1600.0		19	0	0	4	38	0.08	L	10	A	MIS 321
*MARKHAM CITY N, JEFFERSON, WAYNE, 28, 4-5E																
		1943	310	7.7	1447.5		23	0	0	9					A	MIS 316
AUX VASES, MIS	2950	1944	120				9	0	0		38		S	6	AL	
MCCLOSKEY, MIS	3075	1943	310				16	0	0		37	0.24	L	8	AC	

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test					
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976			Pro- ducing end of year	Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
*MARKHAM CITY W, JEFFERSON, 2-3S, 4E																	
		1945	500	2,0	2384,1	40	0	0	3								
AUX VASES, MIS	2905	1945	310			19	0	0		39	S	15	A	MIS	379		
MCCLOSKY, MIS	3035	1946	310			23	0	0		37	L	7	AL				
SALEM, MIS	3774	1969	10			1	0	0			L	4	AC				
*MARTINSVILLE, CLARK, 9-10N, 13-14W																	
		1907	2590	X	X	361	3	3	139								
SHALLOW, PEN	255		2290			10	0	0			S	X	D	STP	341		
CASEY, PEN	500		#			98	0	2			S	X	D				
MARTINSVILLE, MIS	480		520			28	0	0			L	X	D				
CARPER, MIS	1340		1040			84	0	1		37	S	40	D				
DEVONIAN	1550		700			45	0	0		38	L	X	D				
TRENTON, ORD	2700		140			9	3	0		40	L	X	D				
SEE CLARK COUNTY DIVISION FOR PRODUCTION																	
*MASON N, EFFINGHAM, 6N, 5E																	
		1951	240	3,3	400,7	16	0	0	9								
BENOIST, MIS	2290	1951	180			11	0	0		38	S	13	AL	MIS	255		
AUX VASES, MIS	2355	1951	10			1	0	0		36	S	5	AL				
SPAR MTN, MIS	2390	1951	90			4	0	0			L	18	AC				
MCCLOSKY, MIS	2475		#			3	0	0		37	L	5	AC				
MASSILON, WAYNE, EDWARDS, 1S, 9-10E																	
OMARA, MIS	3255	1946	70	0,0	91,2	3	0	0	0	37	L	6	MC	MIS	347		
ASO 1953																	
MASSILON S, EDWARDS, 1S, 10E																	
OMARA, MIS	3315	1947	10	0,0	0,3	1	0	0	0	37	L	9	MC	MIS	344		
ASO 1947																	
*MATTOON, COLES, 11-12N, 7-8E																	
		1939	6080	170,2	19939,5	558	8	4	239								
CYPRESS, MIS	1750	1939	3290			257	9	3		39	0,16	S	13	A	STP	491	
AUX VASES, MIS	1900		570			28	0	0		32	S	15	AL				
SPAR MTN, MIS	1950	1944	4830			394	0	0		38	0,21	S	12	A			
MCCLOSKY, MIS	2010		#			6	0	0		37	L	5	AC				
CARPER, MIS	2950	1955	420			23	0	1		39	S	10	A				
DEVONIAN	3162	1970	30			4	0	0		34		9					
*MATTOON N, COLES, 13N, 7E																	
SPAR MTN, MIS	1902	1960	160	2,3	363,8	12	0	0	8	40	S	12	A	MIS	196		
MATTOON S, CUMBERLAND, 11N, 7E																	
CARPER, MIS	3035	1962	50	0,0	4,7	3	0	0	0	38	S	10		MIS	333		
ASO 1966																	
MAUNIE E, WHITE, 6S, 11E																	
		1951	80	0,5	62,7	6	0	0	1					AF	MIS	308	
TAR SPRINGS, MIS	2280	1962	10			1	0	0		35	S	8					
AUX VASES, MIS	2870	1951	70			5	0	0		35	S	20	AF				
ASO 1952, REV 1955																	
*MAUNIE N C, WHITE, 5-6S, 10-11E, 14W																	
		1941	2120	30,3	4955,5	177	0	0	46								
PENNSYLVANIAN	1320		10			1	0	0		34	S	20	AL	MIS	401		
WALTERSBURG, MIS	2305	1952	130			10	0	0		37	S	12	AL				
TAR SPRINGS, MIS	2350		160			10	0	0		35	S	10	AL				
MARIONSBURG, MIS	2565		10			1	0	0		36	S	10	A				
SAMPLE, MIS	2830		480			2	0	0		35	S	13	AL				
BETHEL, MIS	2820	1941	#			30	0	0		35	S	13	AL				
RENAULT, MIS	2935		10			1	0	0		36	L	2	AC				
AUX VASES, MIS	2930	1943	870			93	0	0		35	S	13	AL				
OMARA, MIS	2995	1944	880			8	0	0		37	L	4	AC				
SPAR MTN, MIS	3025	1947	#			23	0	0		36	L	6	AC				
MCCLOSKY, MIS	3035	1945	#			24	0	0		33	L	10	AC				
*MAUNIE SOUTH C, WHITE, 6S, 10-11E																	
		1941	1730	64,0	7272,5	172	0	1	53								
BRIDGEPORT, PEN	1400		180			11	0	0		24	S	7	AL	MIS	425		
BIEHL, PEN	1649	1959	#			3	0	0		31	S	X	AL				
OEGONIA, MIS	1900	1942	120			13	0	0		35	S	10	AL				
PALESTINE, MIS	2010	1941	640			54	0	1		35	S	17	AL				
WALTERSBURG, MIS	2210		20			2	0	0		37	S	19	AL				
TAR SPRINGS, MIS	2270	1942	810			52	0	0		35	S	16	AF				
CYPRESS, MIS	2590		380			29	0	0		36	S	10	AL				
BETHEL, MIS	2735		10			1	0	0		37	S	X	AL				
(CONTINUED ON NEXT PAGE)																	

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test			
	Name and age			Depth (ft)	During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year	Gr. API	Sul-fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)															
-----															
*MAUNIE SOUTH C, WHITE, 6S, 10-11E															
-----															
AUX VASES, MIS 2845 1941 180 12 0 0 37 S 12 AL															
SPAR MTN, MIS 2900 40 1 0 0 L 8 AC															
MCCLOSKEY, MIS 2920 # 4 0 0 35 L 6 AC															
S7 LOUIS, MIS 3293 1975 10 1 0 0 L 9															
SALEM, MIS 3874 1973 10 1 0 0 L															
ULLIN, MIS 3964 1975 10 1 0 0 L 6															
-----															
MAYBERRY, WAYNE, 2-3S, 6E															
-----															
MCCLOSKEY, MIS 3350 1941 120 3,4 395,1 7 0 0 2 39 0,16 L 8 AC DEV 537															
-----															
MAYBERRY N, WAYNE, 2S, 6E															
-----															
MCCLOSKEY, MIS 3330 1948 10 0,0 1,4 1 0 0 0 39 L 2 MIS 346															
ABO 1950															
-----															
MECHANICSBURG, SANGAMON, 16N, 3W															
-----															
SILURIAN 1734 1972 140 31,9 151,5 10 0 0 9 L 16 81L 177															
-----															
*MELROSE, CLARK, 9N, 13W															
-----															
ISABEL, PEN 840 1953 140 3,2 X 14 0 0 3 35 S 10 PEN 91															
-----															
MELROSE S, CLARK, 9N 13W															
-----															
ISABEL, PEN 865 1953 20 0,0 0,0 2 0 0 0 35 S 7 PEN 88															
ABO 1959, REV 1964, ABO 1969															
-----															
*MILETUS, MARION, 4N, 4E															
-----															
BENDIST, MIS 2140 1947 220 1,8 364,4 16 0 0 4 S 7 A DEV 395															
AUX VASES, MIS 2200 1947 140 8 0 0 36 S 7 A															
MCCLOSKEY, MIS 2350 1947 50 3 0 0 36 L 5 A															
-----															
MILLERBURG, BOND, 4N, 4W															
-----															
DEVONIAN 2130 1967 20 0,0 10,3 2 0 0 0 38 S 2 DEV 216															
ABO 1971															
-----															
*MILL SHOALS, WHITE, HAMILTON, WAYNE, 2-4S, 7-8E															
-----															
1939 3230 81,3 11778,1 249 1 10 73 S 11 A MIS 545															
AUX VASES, MIS 3245 2700 198 1 6 36 0,14 OL 11 A															
OHARA, MIS 3320 1030 9 0 0 OL 11 AC															
SPAR MTN, MIS 3345 # 14 0 0 OL 8 AC															
MCCLOSKEY, MIS 3375 1939 # 40 0 3 36 OL 5 AC															
S7 LOUIS, MIS 3546 1960 10 1 0 1 39 L 10 AC															
SALEM, MIS 3970 1961 10 2 0 0 38 L 4 A															
ULLIN, MIS 4110 1959 10 1 0 1 38 L 10 A															
-----															
MILLS PRAIRIE, EDWARDS, 1N, 14W															
-----															
OHARA, MIS 2925 1948 10 0,0 1,9 1 0 0 0 37 L 5 MC MIS 301															
ABO 1952															
-----															
MILLS PRAIRIE N, EDWARDS, 1N, 14W															
-----															
OHARA, MIS 2925 1953 30 0,0 4,9 2 0 0 0 37 L 5 MC MIS 300															
ABO 1956															
-----															
MITCHELLSVILLE, SALINE, 10S, 6E															
-----															
OEGONIA, MIS 1330 1955 30 0,5 23,8 3 0 0 1 S 6 MIS 245															
WALTERSBURG, MIS 1505 1955 10 1 0 0 38 S 9															
CYPRESS, MIS 2107 1973 10 1 0 0 S 20															
-----															
*MOORE, BHELBY, 10N, 4E															
-----															
1961 360 1,5 334,0 18 0 0 13 S 12 DEV 326															
BETHEL, MIS 1682 1961 120 8 0 0 35 S 8															
BENDIST, MIS 1742 1961 360 13 0 0 34 S 8															
AUX VASES, MIS 1772 1961 10 2 0 0 37 S 8															
-----															
MONROE, EFFINGHAM, 8N, 7E															
-----															
MCCLOSKEY, MIS 2523 1968 80 5,5 124,5 6 0 0 3 L 7 MIS 300															

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year	Gr. API	Sul-fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*MONTROSE N, CUMBERLAND, 9N, 7E																
-----																
	MCCLOSKY, MIS	2500	1969	20	0,3	19,4	2	0	0	2			OL	10	DEV	395
*MT, AUBURN C, CHRISTIAN, 15N, 1-2W																
-----																
	SILURIAN	1920	1943	7240	55,8	6593,4	433	0	6	122	37	0,28	L	15	MU	TRN 257
*MT, CARMEL ++, WABASH, 1N, 1S, 12W																
-----																
			1939	4650	211,1	15105,5	539	10	16	195					A	DEV 423
	BRIDGEPORT, PEN	1370	1946	1160			5	0	0		34		S	20	AL	
	BIEHL, PEN	1470		#			67	2	3		36	0,28	S	20	AL	
	JORDAN, PEN	1520		#			6	0	0				S	15	AL	
	PALESTINE, MIS	1580		60			5	0	1		35		S	10	AL	
	WALTERSBURG, MIS	1690		30			3	0	0		36		S	10	AL	
	TAR SPRINGS, MIS	1790	1939	430			35	0	4		36		S	13	AL	
	JACKSON, MIS	2020	1945	10			1	0	0		36		S	25	AL	
	CYPRESS, MIS	2025	1940	3650			335	4	10		35	0,17	S	15	AL	
	SAMPLE, MIS	2095		180			4	0	0		37		S	7	AL	
	BETHEL, MIS	2110		#			13	0	2		35		S	16	AL	
	OMARA, MIS	2320		1340			21	1	1		35		OL	5	AC	
	SPAR MTN, MIS	2350		#			14	0	0		39	0,26	S	5	AL	
	MCCLOSKY, MIS	2360		#			66	0	1		37	0,42	OL	6	AC	
	SALEM, MIS	2696	1966	50			5	4	0				L	14		
MT, ERIE N, WAYNE, 1N, 9E																
-----																
			1944	200	0,0	390,7	14	0	1	1					M	MIS 336
	AUX VASES, MIS	3110	1944	110			5	0	0		40		S	8	ML	
	OMARA, MIS	3170	1949	130			2	0	1				L	6	MC	
	MCCLOSKY, MIS	3240	1944	#			5	0	0		37		L	5	MC	
	ABO 1966, REV 1967															
MT, OLIVE +, MONTGOMERY, 8N, 5W																
-----																
	POTTSVILLE, PEN	605	1942	80	0,0	X	6	0	1	0	33	0,16	S	6	A	SIL 187
MT, VERNON, JEFFERSON, 3S, 3E																
-----																
			1943	220	7,1	375,5	15	2	0	4					A	MIS 326
	AUX VASES, MIS	2665	1943	70			5	0	0		36		S	8	A	
	OMARA, MIS	2750	1943	150			2	0	0				L	6	AC	
	MCCLOSKY, MIS	2800	1943	#			10	2	0		39	0,18	L	7	AC	
MT, VERNON N, JEFFERSON, 2S, 3E																
-----																
	MCCLOSKY, MIS	2675	1956	20	0,6	64,1	2	0	0	2	38		L	6		MIS 275
MURDOCK, DOUGLAS, 16N, 10E																
-----																
	PENNSYLVANIAN	370	1955	10	0,0	0,0	3	0	0	0	36		S	16		PEN 42
	ABO 1957, REV 1961, ABO 1968															
NASHVILLE, WASHINGTON, 2S, 3W																
-----																
			1973	390	106,0	603,7	31	0	3	24						ORO 377
	DEVONIAN	2625	1973	40			4	0	0				O	20		
	SILURIAN	2650	1973	370			29	0	3	41			L	40	R	
NASON, JEFFERSON, 3-4S, 2E																
-----																
			1943	30	0,6	52,8	3	0	0	1					ML	MIS 392
	OMARA, MIS	2755	1962	30			1	0	0		37		L	4		
	SPAR MTN, MIS	2790	1943	#			2	0	0		37		S	12	ML	
NEW BADEN E, CLINTON, 1N, 5W																
-----																
	SILURIAN	1935	1955	290	11,4	243,3	23	1	15	14	39		L	15	R	SIL 220
NEW BELLAIR, CRAWFORD, 5N, 13W																
-----																
			1942	130	0,0	10,0	8	0	0	1					M	DEV 280
	ISABEL, PEN	650	1952	20			2	0			32		S	3	ML	
	CYPRESS	1165	1942	50		10,0	3	0			29	0,30	S	10	ML	
	AUX VASES, MIS	1250	1956	60			3	0	0				S	20	M	
	ABO 1943, REV 1952, ABO 1954, REV 1956															
NEW CITY, SANGAMON, 14N, 4W																
-----																
	SILURIAN	1730	1954	430	3,2	210,5	37	0	0	8	39		L	11	MU	SIL 185

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976				Producing end of year	Gr. API
NEW CITY S, CMRISTIAN, 14N, 4W														
SILURIAN		2008 1963	20	0,0	63,4	2	0	0	0	39	L	17	SIL	191
			A80 1974											
NEW DOUGLAS S, BONO, 6N, 5W														
PENNSYLVANIAN		640 1957	20	0,0	3,4	2	0	0	0	32	S	7	PEN	70
			A80 1960											
*NEW HARMONY C ++, WHITE, WABASH, EDWARDS, 1N, 1-5S, 13-14W														
		1939	25770	1636,9	157860,7	2630	28	24	1010				A	SHK 768
JAMESTOWN, PEN		720	1850			4	0	0		32	S	13	AL	
BRIDGEPORT, PEN		1340	#			9	0	0			S	7	AL	
MANSFIELD, PEN		0	#			0	0	0			S	X	AL	
BIEM, PEN		1850	#			131	1	2		33	S	20	AL	
JORDAN, PEN		1760	#			0	0	0			S	X	AL	
DEGONIA, MIS		1925	130			10	0	0		34	S	10	AL	
CLORE, MIS		1980	100			11	0	0		36	S	10	AL	
PALESTINE, MIS		2000	270			23	1	0		25	S	10	AL	
WALTERSBURG, MIS		2155	1280			128	2	3		36	0,40	S	20	AL
TAR SPRINGS, MIS		2215	2540			215	6	2		35	0,19	S	26	ALF
MARDINSBURG, MIS		2290 1958	20			1	0	0		35	L	10	ALF	
CYPRESS, MIS		2570	10950			1066	6	8		35	S	20	ALF	
SAMPLE, MIS		2660	11070			60	0	0		36	S	20	ALF	
BETHEL, MIS		2700	#			884	1	9		37	0,24	S	27	ALF
RENAULT, MIS		2761	10			1	0	0		34				
AUX VASES, MIS		2800	8410			623	1	2		37	0,19	S	15	ALF
OMARA, MIS		2900	5240			56	10	1		39	OL	6	AC	
SPAR MTN, MIS		2910	#			50	2	0		38	LS	10	AC	
MCCLOSKEY, MIS		2925	#			276	8	2		37	0,33	OL	8	AC
ST. LOUIS, MIS		3153 1953	310			23	8	0		36	L	X		
SALEM, MIS		3364 1959	270			20	2	0		37	L	16	AC	
ULLIN, MIS		3755	50			4	1	0		36	L	6	AC	
NEW HARMONY S (ILL), WHITE, 5S, 14W														
		1941	90	0,0	113,2	8	0	0	1				A	MIS 320
WALTERSBURG, MIS		2250 1941	30			3	0	0		35	S	18	AF	
TAR SPRINGS, MIS		2350	10			1	0	0		36	S	16	AF	
CYPRESS, MIS		2670 1951	10			1	0	0		35	S	8	AF	
BETHEL, MIS		2815	20			2	0	0		36	S	10	AF	
AUX VASES, MIS		3005 1949	10			1	0	0		37	S	7	AF	
MCCLOSKEY, MIS		3010	20			1	0	0		37	L	5	AF	
*NEW HARMONY S (IND) ++, WHITE, 5S, 14W														
		1946	50	0,0	446,4	6	0	0	1				T	MIS 306
DEGONIA, MIS		1850	20			2	0	0		35	S	8	TF	
PALESTINE, MIS		1955	50			1	0	0		24	S	10	TF	
WALTERSBURG, MIS		2120	50			3	0	0		37	S	30	TF	
*NEW HAVEN C ++, WHITE, 7S, 10-11E														
		1941	710	45,4	2499,8	57	3	0	30				A	MIS 390
DEGONIA, MIS		1789 1975	10			1	0	0			S	6		
TAR SPRINGS, MIS		2105 1941	290			22	1	0		38	0,27	S	12	AF
MARDINSBURG, MIS		2245	10			1	0	0		36	S	8	AF	
CYPRESS, MIS		2445 1949	460			18	1	0		39	S	12	AF	
AUX VASES, MIS		2720	130			10	1	0		37	S	15	AF	
OMARA, MIS		2799 1959	120			2	0	0			L	12	A	
SPAR MTN, MIS		2828 1960	#			1	0	0			L	15	A	
MCCLOSKEY, MIS		2820	#			5	0	0		35	OL	6	AC	
NEW HEBRON E +, CRAWFORD, 6N, 12W														
AUX VASES, MIS		1555 1954	50	0,0	0,3	4	0	0	0	35	S	4	MIS	157
			A80 1965											
*NEW MEMPHIS, CLINTON, 1N, 1S, 5W														
SILURIAN		1980 1952	730	49,6	2519,5	40	2	0	38	41	L	R	TRN	290
NEW MEMPHIS N, CLINTON, 1N, 5W														
DEV-SIL		2050 1954	90	9,7	59,8	7	0	0	7	40	L	15	ORO	291
NEW MEMPHIS S, CLINTON, WASHINGTON, 1S, 5W														
SILURIAN		2000 1952	20	0,0	0,7	2	0	0	0	41	L	25	ORO	291
			A80 1952, REV 1956, A80 1961											
*NEWTON, JASPER, 6N, 9E														
STE. GEN, MIS		2950 1944	50	1,7	107,8	6	0	0	1	37	L	6	MC	MIS 304
			A80 1962, REV 1969											

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone		Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
NEWTON N, JASPER, 7N, 10E															
	MCCLOSKY, MIS	2855 1945	100	0,2	7,1	7	1	0	1	37	L	5	MC	MIS	296
			A80 1948,REV	1960,A80	1966,REV	1976									
NEWTON W, JASPER, 6-7N, 9E															
	SPAR MTN, MIS	2912 1947	550	6,2	303,3	35	0	0	10					MIS	342
	MCCLOSKY, MIS	3000 1947	550			12	0	0							
			#			29	0	0	38		L	7	MC		
			A80 1947,REV	1952,A80	1953,REV	1961									
NOBLE W, CLAY, 3N, 8E															
	MCCLOSKY, MIS	3035 1951	10	0,0	9,3	1	0	0	0	36	L	8		MIS	362
			A80 1959												
*OAKDALE, JEFFERSON, 2S, 4E															
	AUX VASES, MIS	2860 1956	450	19,5	861,9	34	3	1	10					MIS	376
	MCCLOSKY, MIS	2985 1956	370			26	0	1	38		S	35			
			90			9	3	0	37		L	5			
*OAKDALE N, JEFFERSON, 2S, 4E															
	MCCLOSKY, MIS	2932 1960	170	4,2	668,4	13	1	0	8	37	OL	5		MIS	307
OAKLEY, MACON, 16N, 3E															
	CEDAR VALLEY, OEV	2285 1954	170	0,0	22,9	10	0	0	1	37	L	5		OEV	233
			A80 1965,REV	1974											
*OAK POINT, CLARK, JASPER, 8-9N, 14W															
	ISABEL, PEN	560 1952	780	7,1	558,7	63	1	1	29				H	OEV	269
	AUX VASES, MIS	1185 1955	10			1	0	0			S	10	ML		
	CARPER, MIS	2220 1952	680			55	1	1	37		S	17			
			90			7	0	0			S	X	ML		
OAK POINT W, CLARK, CUMBERLAND, 9N, 11E, 14W															
	AUX VASES, MIS	1190 1955	120	0,4	17,6	10	0	0	6	35	S	8		MIS	156
OCONEE, BHELBY, 10N, 1E															
	LINGLE, OEV	2850 1975	70	10,2	14,4	4	3	0	4		S	6		OEV	313
*OOLIN, MARION, 2N, 1-2E															
	CYPRESS, MIS	1750 1945	350	6,9	1864,0	34	0	0	26				A	OEV	359
	BENOIST, MIS	1912 1963	340			30	0	0	37		S	13	AL		
	MCCLOSKY, MIS	2085 1957	10			1	0	0	37		S	3			
			30			4	0	0	37		L	12	A		
OKAWVILLE, WASHINGTON, 1S, 4W															
	SILURIAN	2325 1951	50	0,0	63,3	4	0	0	0	40	L	3	R	SIL	260
			A80 1969												
OKAWVILLE NC, WASHINGTON, 1S, 4W															
	OEV-SIL	2200 1955	220	8,5	161,1	17	0	0	11	40	L			ORO	307
*OLO RIPLEY, BONO, 5N, 4W															
	PENNSYLVANIAN	600 1954	880	10,2	522,5	80	5	2	58					OEV	222
	AUX VASES, MIS	941 1964	870			79	5	2	34		S	17	A		
			10			1	0	0	36		S	19			
OLO RIPLEY N, BONO, 5N, 4W															
	HAROLD, OEV	1991 1962	20	0,0	3,0	1	0	0	0	35	S	1		OEV	204
			A80 1966												
*OLNEY C, RICHLAND, JASPER, 4-5N, 10															
	AUX VASES, MIS	2918 1938	3900	51,6	8288,6	227	0	3	30					MIS	385
	OHARA, MIS	3005 1943	80			5	0	0	37		S	X	A		
	SPAR MTN, MIS	3050 1946	3840			15	0	0	37	0,19	L	6	A		
	MCCLOSKY, MIS	3100 1938	#			76	0	3	37	0,19	L	5	A		
			#			139	0	1	37	0,19	L	6	A		

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepeat test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. fur API			Sul- fur (%)	Kind of rock, avg. thickness in feet, structure
•OLNEY S, RICHLAND, 3N, 10E															
		1937	1010	4.5	1073.3	60	0	0	19			M	OEV	491	
	OMARA, MIS	3142 1962	1010			1	0	0							
	SPAR MTN, MIS	3100	#			38	0	0	36	L	4	MC			
	MCCLOSKEY, MIS	3115	#			36	0	0	37	L	3	MC			
•OMAMA +, GALLATIN, 7-88, 8E															
		1940	1760	110.3	5983.4	160	0	3	87			O	OEV	532	
	JAKE CREEK, PEN	385	340			15	0	0	26	S	20	O			
	PENNSYLVANIAN	580	#			5	0	0	19	S	10	O			
	BIEM, PEN	1335 1948	#			5	0	0	22	S	10	O			
	PALESTINE, MIS	1700 1940	410			27	0	0	26	0,24 S	15	O			
	TAR SPRINGS, MIS	1900	170			9	0	0	27	S	15	O			
	MARDINSBURG, MIS	2179 1961	80			6	0	0	29	S	18	O			
	CYPRESS, MIS	2402 1959	150			12	0	2	35	S	12	O			
	PAINT CREEK, MIS	2450 1961	40			1	0	0	37	S	10	O			
	BETHEL, MIS	2570 1955	#			3	0	0		S	14	O			
	AUX VASES, MIS	2730 1955	890			67	0	1	40	S	20	O			
	OMARA, MIS	2734 1958	350			18	0	0	39	L	14	O			
	SPAR MTN, MIS	2722 1958	#			5	0	0		S	8	O			
	MCCLOSKEY, MIS	2800 1961	#			6	0	0		L	X	O			
OMAMA E, GALLATIN, 8S, 8E															
		1946	130	0.0	61.2	11	0	0	1			M	MIS	300	
	CYPRESS, MIS	2530 1957	30			3	0	0	41	S	6	M			
	AUX VASES, MIS	2790	10			1	0	0	38	S	X	M			
	OMARA, MIS	2855 1946	90			3	0	0	37	L	8	MCF			
	SPAR MTN, MIS	2942 1960	#			1	0	0		L	9	MCF			
	MCCLOSKEY, MIS	2884 1958	#			3	0	0	38	L	10	MCF			
•OMAMA S, GALLATIN, 8ALINE, 8S, 7-8E															
		1951	140	1.1	93.5	9	0	0	2			N	MIS	303	
	CYPRESS, MIS	2535 1953	90			5	0	0	36	S	15	NL			
	AUX VASES, MIS	2870 1955	40			3	0	0	38	S	11	N			
	SPAR MTN, MIS	2865 1951	10			1	0	0	37	L	1	NC			
ABO 1965, REV 1969															
•OMAMA W, SALINE, GALLATIN, 7-8S, 7-8E															
		1950	160	13.5	403.5	14	0	0	12			A	MIS	302	
	CYPRESS, MIS	2600 1950	70			6	0	0	38	S	14	AL			
	SAMPLE, MIS	2600 1967	80			6	0	0	38	S	12				
	AUX VASES, MIS	2800 1950	20			2	0	0	37	S	30	AL			
	MCCLOSKEY, MIS	2910	10			1	0	0	38	L	8	AC			
OMEGA, MARION, 3N, 4E															
		1946	70	0.0	25.4	5	0	0	0				MIS	259	
	BENOIST, MIS	2280 1963	10			1	0	0	38	S	3				
	MCCLOSKEY, MIS	2490 1946	60			4	0	0	38	L	10	O			
ABO 1949, REV 1963, ABO 1968															
OPOYKE, JEFFERSON, 3S, 4E															
		1961	40	0.0	7.2	2	0	0	0				MIS	317	
	OMARA, MIS	3016 1962	40			1	0	0		L	8				
	MCCLOSKEY, MIS	3074 1961	#			2	0	0	37	OL	20				
ABO 1967															
•ORCHAROVILLE, WAYNE, 1N, 5E															
		1950	200	10.5	376.8	17	0	3	9			A	MIS	400	
	SAMPLE, MIS	2655 1958	10			1	0	0	36	S		A			
	AUX VASES, MIS	2800 1951	190			13	0	2	36	S	16	AL			
	OMARA, MIS	2880	60			2	0	1	37	L	3	AC			
	MCCLOSKEY, MIS	2905 1950	#			4	0	0		L	5	AC			
ORCHARDVILLE N, WAYNE, 1N, 5E															
		1956	20	0.6	24.0	2	0	0	1				OEV	468	
	PAINT CREEK, MIS	2655 1956	10			1	0	0		S	6				
	AUX VASES, MIS	2780 1971	10			1	0	0		S	4				
ABO 1964, REV 1971															
•ORIENT, FRANKLIN, 7S, 2E															
		1965	40	7.9	182.7	4	0	0	4	38	S	24	MIS	285	
	AUX VASES, MIS	2660 1965													
ORIENT N, FRANKLIN, 7S, 2E															
		1967	10	0.0	0.3	1	0	0	0	38	S	4	MIS	304	
	AUX VASES	2680 1967													
ABO 1972															



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone		Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age				During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*OSKALOOSA, CLAY, 3-4N, 5E																
			1950	490	7.3	2610.7	44	0	1	9			A	OEV	451	
	BENOIST, MIS	2595	1950	450			40	0	1		37	S	15	A		
	AUX VASES, MIS	2643	1958	150			11	0	0		37	S	X	A		
	MCCLOSKY, MIS	2755	1957	280			14	0	0		36	L	5	A		
*OSKALOOSA E, CLAY, 3N, 5-6E																
			1947	30	0.0	35.2	2	0	0	0			A	MIS	339	
	AUX VASES, MIS	2820	1947	20		7.0	1	0	0		37	S	5	AL		
	MCCLOSKY, MIS	2895	1951	10		28.0	1	0	0		33	L	4	AC		
				ABO 1954												
OSKALOOSA S, CLAY, 3N, 5E																
	STE GENEVIEVE, MIS	2770	1951	130	1.2	85.4	11	0	0	5	35	L	4	AC	ORD	584
PANA, CHRISTIAN, 11-12N, 1E																
	BENOIST, MIS	1470	1951	60	2.9	125.5	5	0	0	4	37	S	8		OEV	284
PANA S, CHRISTIAN, 11N, 1E																
	DEVONIAN	2851	1974	130	0.0	0.1	6	0	0	6		L	5		OEV	292
PANAMA +, 80N, MONTGOMERY, 7N, 3-4W																
			1940	60	0.0	22.4	6	0	1	1			A	OEV	201	
	GOLCONDA, MIS	705		40			4	0	1		31	L	12	A		
	BENOIST, MIS	865		30			3	1	1		28	S	12	A		
PANKEYVILLE, SALINE, 9S, 6E																
			1956	30	0.0	6.1	2	0	0	0					MIS	274
	CYPRESS, MIS	2250	1956	20		6.1	2	0	0		37	S	X			
	AUX VASES, MIS	2511	1961	10			1	0	0		38	S	22			
				ABO 1957, REV 1961, ABO 1961												
PANKEYVILLE E, SALINE, 9S, 7E																
			1956	10	0.0	0.0	1	0	0	0					MIS	260
	CYPRESS, MIS	2250	1956	10			1	0	0		37	S	X			
	PAINT CREEK, MIS	2360	1956	10			1	0	0		36	S	13			
				ABO 1957												
*PARKERSBURG C, RICHLAND, EDWARDS, 1-3N, 10-11E, 14W																
			1941	5310	20.1	11089.5	315	0	4	61			A	OEV	512	
	PENNSYLVANIAN	2100	1967	1000			1	0	0		36	S	18			
	WALTERSBURG, MIS	2430	1950	150			12	0	0		39	S	10	A		
	TAR SPRINGS, MIS	2440	1967	10			1	0	0		36	S	2	A		
	CYPRESS, MIS	2830	1942	180			10	0	0		36	S	12	A		
	BETHMEL, MIS	2930	1942	310			20	0	2		35	S	12	A		
	AUX VASES, MIS	3070		20			2	0	0		37	S	20	A		
	OHARA, MIS	3100		4690			4	0	0			L	10	A		
	SPAR MTN, MIS	3150	1945	#			56	0	1		36	0.34	L	10	A	
	MCCLOSKY, MIS	3175	1941	#			201	0	2		36	0.31	OL	10	A	
PARKERSBURG S, EDWARDS, 1N, 14W																
			1948	100	4.6	93.8	9	0	0	4					MIS	318
	PENNSYLVANIAN	1400	1950	70			6	0	0		35	S	10			
	CYPRESS	2750	1954	10			1	0	0		36	S	X			
	BETHMEL, MIS	2815	1948	20			3	0	0		35	S	5			
PARKERSBURG W, RICHLAND, EDWARDS, 2N, 10E																
			1943	320	1.9	236.5	19	1	0	1			A	MIS	378	
	OHARA, MIS	3220	1945	320			2	1	0			L	5	AC		
	MCCLOSKY, MIS	3260	1943	#			17	0	0		38	L	6	AC		
				ABO 1962, REV 1964, ABO 1965, REV 1976												
PARNELL, DEWITT, 21N, 4E																
			1963	610	12.1	181.4	39	0	0	38					TRN	197
	SONORA, MIS	671	1963	590			36	0	0		32	S	12			
	DEVONIAN	1100	1964	20			3	0	0		37	S	12			
*PASSPORT, CLAY, 4-5N, 5E																
			1948	990	11.8	3376.1	65	0	3	20			A	MIS	383	
	AUX VASES, MIS	2924	1964	20			5	0	0		36	S	6			
	SPAR MTN, MIS	3005	1945	970			2	0	0		38	L	5	AC		
(CONTINUED ON NEXT PAGE)																

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STATE OF ILLINOIS  
DEPARTMENT OF REVENUE  
DIVISION OF OIL AND GAS  
CHICAGO, ILLINOIS 60612

TABLE 8. Illinois oil field statistics, 1976 - continued

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Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepeat test			
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year			Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure
(CONTINUED FROM PREVIOUS PAGE)															
*PASSPORT, CLAY, 4-5N, 8E															
MCCLOSKEY, MIS		3020	#			59	0	3		37	L	10	A		
PASSPORT N, RICHLAND, 5N, 9E															
AUX VASES, MIS		2940 1959	60	1.9	69.1	5	0	0		3 36	S	10		MIS	320
*PASSPORT S, RICHLAND, CLAY, 4N, 8-9E															
TAR SPRINGS, MIS		1948 2368 1962	130 10	0.0	171.9	11 0 0			1	37	S	9	A	MIS	369
CYPRESS, MIS		2665 1948	80			7 0 0				38	S	15	AL		
AUX VASES, MIS		2957 1960	10			1 0 0				36	S	8	A		
SPAR MTN, MIS		3025 1948	40			1 0 0					L	6	AC		
MCCLOSKEY, MIS		3030	#			2 0 0				38	L	8	AC		
PASSPORT W, CLAY, 4N, 8E															
STE, GEN, MIS		3030 1954	150	0.0	69.4	11 0 0			0	37	L	5	AC	MIS	357
ABO 1967, REV 1971, ABO 1974															
*PATOKA, MARION, CLINTON, 3-4N, 1E, 1W															
CYPRESS, MIS		1280 1937	1560 60	32.6	14653.3	242 0 3			106	39	S	10	O	ORO	405
BENOIST, MIS		1410 1937	1000			180 0 0				37	0.16	S	27	O	
AUX VASES, MIS		1459 1970	40			3 0 0					S	13			
SPAR MTN, MIS		1550	510			15 0 0				39	0.31	S	9	O	
GENEVA, DEV		2835 1943	30			3 0 0				40	0.28	O	10	O	
TRENTON, ORO		3950 1956	630			34 0 3				42	L	25	O		
*PATOKA E, MARION, 4N, 1E															
CYPRESS, MIS		1340 1941	560	53.2	5628.5	64 0 0			37	36	0.18	S	16	O	ORO
BENOIST, MIS		1465	50			5 0 0				36	0.23	S	10	O	
MCCLOSKEY, MIS		1635 1953	40			3 0 0				34	L	8	O		
GENEVA, DEV		2950 1952	20			2 0 0				35	O	30	R		
*PATOKA S, MARION, 3N, 1E															
CYPRESS, MIS		1350 1953	1020 830	50.7	2376.9	86 1 0			66	36	S	10	A	ORO	404
BENOIST, MIS		1461 1959	230			20 0 0				37	S	15	A		
SPAR MTN, MIS		1624 1959	50			2 0 0					S	5	A		
TRENTON, ORO		3990 1973	120			4 1 0				43	L	18			
PATOKA W, FAYETTE, 4N, 1W															
BENOIST, MIS		1380 1950	200	0.0	303.6	20 0 0			0	32	S	6	A	MIS	173
ABO 1965															
*PHILLIPSTOWN C, WHITE, EDWARDS, 3-5S, 10-11E, 14W															
ANVIL ROCK, PEN		1939 795 1943	7070 1740	601.6	29112.1	630 20 7			316	36	S	10	A	DEV	535
CLARK-BROGPT, PEN		1350	#			14 0 0				36	S	10	AF		
PENNSYLVANIAN, PEN		1450	#			14 0 0				36	S	10	AF		
BUCHANAN, PEN		1550	#			25 0 0				30	S	15	AF		
BIEHL, PEN		1875	#			85 2 3				33	0.22	S	15	AF	
KINKAIO, MIS		1954 1961	10			1 0 0					S	17	AF		
OEGONIA, MIS		1975 1943	800			65 1 0				38	S	15	AF		
CLORE, MIS		2010 1942	170			16 0 0				34	S	12	AF		
PALESTINE, MIS		2050 1942	130			12 2 1				32	S	11	AF		
WALTERSBURG, MIS		2280 1943	260			25 8 0				34	S	11	AF		
TAR SPRINGS, MIS		2295 1943	1240			99 5 3				35	S	15	AF		
CYPRESS, MIS		2720 1943	540			47 1 0				36	S	12	AF		
PAINT CREEK, MIS		2780 1944	1580			7 0 0				37	S	9	AF		
BETHEL, MIS		2810 1943	#			112 1 1				36	S	15	AF		
AUX VASES, MIS		2880 1939	1000			77 0 0				37	S	15	AF		
OHARA, MIS		3010 1943	2030			28 0 0				36	L	10	ACF		
SPAR MTN, MIS		2960	#			36 0 0				38	0.21	LS	10	ACF	
MCCLOSKEY, MIS		3000 1939	#			72 2 1				34	0.21	L	6	ACF	
ST LOUIS, MIS		3120 1976	10			1 1 0					L	20			
*PHILLIPSTOWN S, WHITE, 5S, 10E															
PALESTINE, MIS		1951 2140 1976	200 10	0.6	148.6	15 1 0			5		S	6	M	MIS	316
TAR SPRINGS, MIS		2345 1951	100			7 0 0				35	S	10	MF		
AUX VASES, MIS		2985 1951	60			5 0 0				37	S	10	MF		
SPAR MTN, MIS		3083 1961	20			1 0 0					L	8	MF		
MCCLOSKEY, MIS		3065 1957	#			1 0 0				36	L	4	M		

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Depth (ft)	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone		Deepest test		
	Name and age				During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
PINKSTAFF, LAWRENCE, 4N, 11W																
MCCLOSKEY, MIS																
		1735	1951	10	0.0	0.1	1	0	0	0	37	L	4	MIS	179	
				A80 1951												
PINKSTAFF E, LAWRENCE, 4N, 11W																
SPAR MTN, MIS																
		1976		130	7.4	X	9	4	0	8				MIS	225	
		1640 1953		130			8	3	0		35	L	6			
		MCCLOSKEY, MIS		#			1	1	0			OL	9			
				A80 1961, REV 1975												
PI778BURG N +, WILLIAMSON, 8S, 3E																
BETHEL, MIS																
		1964		40	5.2	62.2	4	0	0	3				MIS	307	
		2459 1972		10			1	0	0			S	8			
		AUX VASES, MIS		30			3	0	0			S	8			
PIXLEY, CLAY, 4N, 8E																
CYPRESS, MIS																
		2680	1959	20	0.0	0.0	2	0	0	0	35	S	9	MIS	312	
				A80 1960												
PLAINVIEW +, MACOUPIN, 9N, 8W																
PENNSYLVANIAN																
		410	1942	10	0.0	2.0	1	0	0	0	34	S	5	PEN	56	
PLAINVIEW S, MACOUPIN, 8N, 8W																
PENNSYLVANIAN																
		444	1959	10	0.0	X	1	0	0	0	34	S	8	PEN	64	
				A80 1962												
POSEN, WASHINGTON, 3S, 2W																
TRENTON, ORO																
		3900	1952	50	2.7	111.3	4	0	0	1	37	L	25	A	ORO	395
POSEN N, WASHINGTON, 3S, 2W																
TRENTON, ORO																
		4015	1953	10	0.0	3.9	1	0	0	0	37	L	15	AC	ORO	411
				A80 1959												
POSEN S, WASHINGTON, 3S, 2W																
BENOIST, MIS																
		1255	1955	50	0.0	X	4	0	0	0	34	S	7	MIS	130	
				A80 1959												
POSEY, CLINTON, 1N, 2W																
CYPRESS, MIS																
		1941		330	16.1	489.5	30	0	0	26				SIL	279	
		1105 1941		320			29	0	0	36	0.18	S	5	M		
		DEVONIAN		10			1	0	0	38		L	5	M		
POSEY E, CLINTON, 1N, 2W																
DEV-SIL																
		2740	1952	470	21.7	621.9	27	0	0	23	38	L	8	DEV	280	
POSEY W, CLINTON, 1N, 3W																
DEVONIAN																
		2585	1954	10	0.0	0.8	1	0	0	0	37	L	15	DEV	260	
				A80 1954												
PRENTICE +, MORGAN, 16N, 8W																
PENNSYLVANIAN																
		270	1953	30	0.0	0.0	3	0	0	0	30	S	10	ORO	151	
PYRAMID, WASHINGTON, 2S, 1W																
DEVONIAN																
		3109	1962	100	0.0	44.1	6	0	0	1	36	S	6	DEV	325	
*RACCOON LAKE, MARION, 1N, 1E																
CYPRESS, MIS																
		1949		380	10.1	3407.0	47	0	0	14				SIL	353	
		1625 1949		240			18	0	0	34		S	10	O		
		BENOIST, MIS		20			2	0	0	37		S	15	OL		
		OMARA, MIS		190			1	0	0			L	5	OC		
		SPAR MTN, MIS		#			11	0	0	36		S	12	OC		
		MCCLOSKEY, MIS		#			13	0	0	36		L	10	OC		
		DEV-SIL		270			15	0	0	40		O	10	R		
*RALEIGH, SALINE, 7-8S, 6E																
TAR SPRINGS, MIS																
		1953		630	7.7	2242.9	54	2	0	12				A	MIS	324
		2235 1954		20			2	0	0	35		S	20	A		
		CYPRESS, MIS		450			39	0	0	34		S	12	A		
		PAINT CREEK, MIS		10			1	0	0	34		S	5	A		
(CONTINUED ON NEXT PAGE)																

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test	
						Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
	During 1976	To end of 1976													

(CONTINUED FROM PREVIOUS PAGE)															
*RALEIGH, SALINE, 7-8S, 6E															
AUX VASES, MIS	2905	1953	100			10	2	0		38	S	5	A		
OMARA, MIS	3054	1959	50			1	0	0			L	3	A		
SPAR MTN, MIS	3025	1957	#			2	0	0		38	LS	10	A		
MCCLOSKEY, MIS	3045	1974	#			1	0	0			OL	4			
*RALEIGH S +, SALINE, 8S, 5-6E															
		1955	390	18.7	1176.9	34	0	0	11					MIS	345
WALTERSBURG, MIS	2046	1959	60			4	0	0		39	S	10			
BETHEL, MIS	2739	1958	10			1	0	0		37	S	8			
AUX VASES, MIS	2860	1955	310			31	0	0		40	S	16			
MCCLOSKEY, MIS	2960	1974	10			1	0	0			OL	13			
RAYMOND, MONTGOMERY, 10N, 4-5W															
POTTSVILLE, PEN	590	1940	60	0.4	30.0	10	0	0		3 35 0.22	8	10	ML	OEI	204
*RAYMOND E, MONTGOMERY, 10N, 4W															
PENNSYLVANIAN	595	1951	60	0.4	31.1	5	0	0		2 34	S	10		MIS	100
RAYMOND S, MONTGOMERY, 10N, 4W															
UNNAMED, PEN	603	1959	10	0.0	0.0	1	0	0		0 34	S	6		PEN	68
			ABO 1959												
RESERVOIR, JEFFERSON, 1S, 3E															
		1950	330	10.9	581.5	20	0	0	10				MC	MIS	321
SPAR MTN, MIS	2443	1959	320			2	0	0			S	7	M		
MCCLOSKEY, MIS	2700	1950	#			18	0	0		37	L	6	MC		
SALEM, MIS	3034	1961	10			1	0	0		39	L	12	M		
*RICHVIEW, WASHINGTON, 28, 1W															
CYPRESS, MIS	1500	1946	750	90.2	2847.8	82	0	1	64	39	S	12	AL	MIS	329
RIOGWAY, GALLATIN, 8S, 8E															
		1946	20	0.0	0.1	2	0	0	0				MC	MIS	293
PALESTINE, MIS	1730	1955	10			1	0	0		30	S	18	ML		
MCCLOSKEY, MIS	2840	1946	10		0.1	1	0	0		38	L	6	MC		
			ABO 1946, REV 1955, ABO 1956												
RIFFLE, CLAY, 4N, 6E															
SPAR MTN, MIS	2735	1948	80	0.0	80.9	5	0	0	0	36	L	7	MC	MIS	284
			ABO 1961												
RINARO, WAYNE, 2N, 7E															
MCCLOSKEY, MIS	3145	1937	10	0.0	7.0	1	0	0	0	39	L	5	AC	MIS	328
			ABO 1942												
RINARO N, WAYNE, 2N, 7E															
		1952	300	5.1	361.0	22	1	0	9				M	MIS	395
SPAR MTN, MIS	3135		290			1	0	0			L	6	MC		
MCCLOSKEY, MIS	3140	1952	#			20	0	0		39	L	5	MC		
SALEM, MIS	3561	1976	10			1	1	0			L	25			
						20	2630								
RINARO S, WAYNE, 1N, 6E															
SPAR MTN, MIS	3268	1965	10	0.0	0.8	1	0	0	0	39	L	4		MIS	334
			ABO 1966												
RITTER, RICHLAND, 3N, 10-11E															
STE, GEN, MIS	3215	1950	110	2.0	263.0	6	0	0	1	38	L	5		MIS	392
			ABO 1960, REV 1961				16	892							
*RITTER N, RICHLAND, 3N, 11E															
		1951	180	0.0	161.3	11	0	0	0					MIS	328
OHARA, MIS	3203	1960	180			1	0	0		39	L	6			
SPAR MTN, MIS	3215	1952	#			8	0	0			L	4			
MCCLOSKEY, MIS	3205	1951	#			3	0	0			L	5			
			ABO 1967												
RIVERTON S, SANGAMON, 15N, 4W															
SILURIAN	1590	1965	40	1.6	89.2	3	0	0	3	38	0	8		SIL	167

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year	Gr. API	Sul-fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
ROACHES, JEFFERSON, 2S, 1E															
		1938	180	0,0	620,2	13	0	0	1					OEV	384
BENOIST, MIS	2000		10			3	0	0		38	8	X	A		
OHARA, MIS	2170	1942	170			3	0	0		37	0,22	L	5	AC	
SPAR MTN, MIS	2190	1938	#			8	0	0		37	0,22	L	12	AC	
MCCLOSKY, MIS	2250	1938	#			6	0	0		37	0,22	L	4	AC	
*ROACHES N, JEFFERSON, 2S, 1E															
		1944	420	3,8	1118,3	35	0	0	2					TRN	499
BENOIST, MIS	1925	1944	420			32	0	0		37	S	7	A		
SPAR MTN, MIS	2115	1944	60			4	0	0		34	L	8	AC		
TRENTON	4852	1962	10			1	0	0		42	L	44			
ROBY, SANGAMON, 15N, 3W															
SILURIAN	1775	1949	370	10,5	366,1	25	0	0	14	38	L	5	MU	SIL	190
A80 1951, REV 1954															
ROBY E, CMRISTIAN, SANGAMON, 15N,2-3W															
		1970	1220	132,5	978,0	85	7	4	57					SIL	192
DEVONIAN	1757	1971	10			1	0	0			S	2			
SILURIAN	1840	1970	1220			85	7	4			L	20			
ROBY N, SANGAMON, 16N, 3W															
SILURIAN	1699	1962	50	0,0	19,0	4	0	0	0	38	L	4		TRN	230
A80 1964,REV 1971,A80 1973															
ROBY W, SANGAMON, 15N, 3W															
MIBBARD, DEV	1655	1957	20	0,5	5,6	3	0	0	2	37	S	5	MU	TRN	225
A80 1963, REV 1967															
*ROCHESTER ++, WABASH, 2S, 13W															
		1948	380	7,6	2545,3	51	0	3	19					MIS	281
PENNSYLVANIAN	1300	1948	230			23	0	1		32	S	16	MCF		
WATERSBURG, MIS	1940	1948	220			29	0	2			S	20	ML		
*ROLAND C +, WHITE, GALLATIN, 5-7S, 8-9E															
		1939	11140	508,4	57235,7	975	3	9	336					DEV	526
PENNSYLVANIAN	1410	1954	30			6	0	0		36	S	10	A		
OEGONIA, MIS	2065		40			4	0	0		35	S	7	A		
CLORE, MIS	1993	1947	90			6	0	0		36	S	4			
PALESTINE, MIS	2085	1946	40			4	0	0		34	S	2	A		
WALTERSBURG, MIS	2200		1870			121	0	1		31	0,25	S	15	AL	
TAR SPRINGS, MIS	2300	1940	720			49	0	1		35	S	15	AL		
HARDINSBURG, MIS	2550	1940	1910			153	0	0		37	0,30	S	20	AL	
GOLCONDA, MIS	2505	1955	10			1	0	0		35	S	5	A		
CYPRESS, MIS	2700	1943	2470			158	0	3		36	0,12	S	15	AL	
PAINT CREEK, MIS	2800	1945	2290			38	0	0		37	S	12	AL		
BETHEL, MIS	2800		#			87	0	1		37	0,20	S	12	AL	
AUX VASES, MIS	2880	1945	4340			269	0	4		39	0,12	S	13	AL	
OHARA, MIS	3020	1943	2500			28	0	0		36	OL	6	AC		
SPAR MTN, MIS	3050	1945	#			31	0	0		38	L	6	AC		
MCCLOSKY, MIS	3070	1939	#			106	2	1		38	0,20	L	6	AC	
ST. LOUIS, MIS	0		50			5	0	1		37	L	X	AC		
SALEM, MIS	4089	1966	30			3	0	0		38	L	19			
ULLIN	4050	1967	20			2	0	0		38	L	4			
ROLAND W, SALINE, 7S, 7E															
AUX VASES, MIS	2935	1950	10	0,0	22,3	1	0	0	0	40	S	15	ML	MIS	316
A80 1959															
ROSE MILL, JASPER, 8N, 9E															
MCCLOSKY, MIS	2695	1966	10	0,0	7,3	1	0	1	0	39	L	10		MIS	305
A80 1976															
*RUARK, LAWRENCE, 2N, 12-13W															
		1941	480	11,0	2627,9	54	0	1	20					MIS	244
PENNSYLVANIAN	1600	1941	380			42	0	1		33	S	10	AL		
BETHEL, MIS	2075		90			8	0	0		36	S	11	AL		
AUX VASES, MIS	2145		30			3	0	0		37	S	7	AL		
OHARA, MIS	2275	1954	10			1	0	0		37	L	5	AC		
*RUARK W C, LAWRENCE, 2N, 13W															
		1947	730	14,5	1484,5	65	0	0	29					MIS	311
WALTERSBURG, MIS	1780	1947	50			7	0	0		38	S	10	ML		
CYPRESS, MIS	2165	1952	10			1	0	0		35	S	9	ML		

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test		
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year					
	Gr. Sul-fur %API												Kind of rock, avg. thickneass in feet, atructure	Zone
(CONTINUED FROM PREVIOUS PAGE)														
*RUARK W C, LAWRENCE, 2N, 13W														
BETHEL, MIS		2220 1948	580			45	0	0		36	S	20 ML		
OHARA, MIS		2350 1952	290			4	0	0			L	5 MC		
SPAR MTN, MIS		2390	#			2	0	0			L	5 MC		
MCCLOSKEY, MIS		2400 1950	#			18	0	0		38	L	3 MC		
*RURAL MILL N, HAMILTON, 5S, 5E														
		1949	120	4.5	216.1	9	1	0	1			M	MIS	430
CYPRESS, MIS		2930 1956	110			8	1	0		35	S	10 ML		
SPAR MTN, MIS		3325 1949	10			1	0	0		37	L	8 MC		
SALEM, MIS		3860 1976	20			1	1	0			L	35		
ABO 1950,REV 1956,ABO 1969,REV 1976														
RUSMVILLE, SCHUYLER, 2N, 1W														
DEV-SIL		743 1966	10	0.0	0.0	1	0	0	0	37	L	22	TRN	97
ABO 1969														
RUSMVILLE NW, SCHUYLER, 2N, 2W														
SILURIAN		669 1960	30	0.0	0.5	3	0	1	0	36	L	3 AC	TRN	103
ABO 1976														
RUSSELLVILLE GAS +, LAWRENCE, 4-5N, 10-11W														
MCCLOSKEY, MIS		1560 1937	10	0.0	12.4	2	0	0	0	35	L	7 AC	DEV	313
ABO														
RUSSELLVILLE W, LAWRENCE, 2N, 11W														
SPAR MTN, MIS		1565 1955	10	0.0	2.0	1	0	0	0	37	L	22	MIS	164
ABO 1957														
*ST, FRANCISVILLE, LAWRENCE, 2N, 11W														
BETHEL, MIS		1845 1900	950	X	X	89	0	0	36	32	S	6 ML	MIS	246
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION														
*ST, FRANCISVILLE E, LAWRENCE, 2N, 11W														
		1941	450	4.1	723.4	39	0	0	17			A	MIS	196
PENNSYLVANIAN		1260 1954	60			6	0	0		30	S	8 AL		
WALTERSBURG, MIS		1300	10			1	0	0		37	S	6 AL		
HARDINSBURG, MIS		1460 1950	40			3	0	0		35	S	6 AL		
CYPRESS, MIS		1605	60			3	0	0		36	S	15 AL		
BETHEL, MIS		1750 1941	320			25	0	0		40	0.21	8	20 A	
SPAR MTN, MIS		1822 1963	10			1	0	0		36	L	5		
*ST, JACOB, MADISON, 3N, 6W														
TRENTON, ORD		2260 1942	1050	31.7	4094.6	55	0	0	28	40	0.23	L	17 A	PC 501
ST, JACOB E, MADISON, 3N, 6W														
MADON, DEV		1840 1955	10	0.0	1.1	1	0	0	0	23	S	X U	ORD	260
ABO 1957														
*ST, JAMES, FAYETTE, 5-6N, 2-3E														
		1938	2280	158.4	20390.2	263	0	0	140			A	DEV	347
GOLCONDA, MIS		1555	10			1	0	0		34	L	15 A		
CYPRESS, MIS		1580 1938	1900			200	0	0		37	0.31	S	16 A	
BENOIST, MIS		1746 1959	10			1	0	0		36	S	8 A		
SPAR MTN, MIS		1860 1954	100			10	0	0		38	L	16 A		
CARPER, MIS		3070 1961	670			52	0	0		37	S	35 A		
ST, PAUL, FAYETTE, 5N, 3E														
		1941	380	9.3	1023.0	36	0	1	19			A	DEV	357
BENOIST, MIS		1900 1941	240			18	0	1		34	0.23	S	9 A	
SPAR MTN, MIS		2080	10			1	0	0		38	L	6 A		
CARPER, MIS		3288 1963	290			19	0	0		36	S	28		
*STE, MARIE, JASPER, 5N, 10-11E, 14W														
STE, GEN, MIS		2900 1941	1210	17.2	2055.4	72	0	0	11	37	0.14	L	8 AC	MIS 347
STE, MARIE E, JASPER, 6N, 14W														
ST, GEN, MIS		2685 1949	70	2.2	30.3	8	0	0	1	38	L	10 MC	MIS	319
ABO 1951, REV 1966														
STE, MARIE W, JASPER, 5-6N, 10E														
		1949	400	5.4	449.9	20	0	0	13			M	MIS	322
(CONTINUED ON NEXT PAGE)														

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
	Name and age			Depth (ft)	To end of 1976	During 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
*SCHMELL, RICHLAND, 2N, 9E															
		1938	120	5.4	341.2	11	1	0	5					MIS	369
AUX VASES, MIS		2956 1969	60			4	1	0							
SPAR MTN, MIS		3090 1974	10			1	0	0							
MCCLOSKEY, MIS		3000 1938	80			7	0	0		39	0.19	DL	5 AC		
SCHMELL E, RICHLAND, 2N, 9E															
MCCLOSKEY, MIS		3115 1954	10	0.0	0.3	1	0	0	0	38		L	4 AC	MIS	331
			ABO 1954												
SCIOTA, MCCONOUGH, 7N, 3W															
DEVONIAN		519 1960	10	0.0	0.0	1	0	0	0	28		L	16	SIL	76
			ABO 1960												
*SEMINARY, RICHLAND, 2N, 10E															
MCCLOSKEY, MIS		3195 1945	120	0.0	228.4	8	0	0	0	38		L	MC	MIS	333
			ABO 1966												
*SESSEN C, FRANKLIN, 5-6S, 1-2E															
		1942	1630	84.7	3430.9	106	0	1	64					DEV	468
CYPRESS, MIS		2455 1953	50			3	0	0		38		S	5 AL		
RENAULT, MIS		2690	340			26	0	0		37	0.17	S	10 AC		
AUX VASES, MIS		2700 1942	1230			72	0	1		38	0.17	S	10 AL		
OHARA, MIS		2675 1951	110			2	0	0				L	8 A		
SPAR MTN, MIS		2810 1944	#			5	0	0				L	10 AC		
MCCLOSKEY, MIS		2840	#			5	0	0		39		L	5 AC		
ST. LOUIS, MIS		3002 1957	10			1	0	0		37		L	20 AC		
CLEAR CREEK, DEV		4360 1949	120			7	0	0		40		L	X AC		
SHARPSBURG, CHRISTIAN, 14N, 2W															
		1974	20	2.7	2.9	2	0	0	2					SIL	206
DEVONIAN		1972 1975	10			1	0	0				L	3		
SILURIAN		1990 1974	10			1	0	0				L	3		
*SHATTUC, CLINTON, 2N, 1W															
		1945	280	10.4	783.1	36	0	1	16					ORO	407
CYPRESS, MIS		1280 1945	150			15	0	0		36		S	7 AL		
BENDIST, MIS		1420 1947	80			7	0	1		35		S	13 AL		
TRENTON, ORD		4020 1948	180			15	0	0		40		L	13 A		
SHATTUC N, CLINTON, 2N, 1W															
BENDIST, MIS		1445 1941	10	0.0	2.4	1	0	0	0	36		S	7	TRN	413
			ABO 1964												
SHAWNEETOWN, GALLATIN, 9S, 9E															
		1945	80	0.0	16.9	6	0	0	0					MIS	283
PALESTINE, MIS		1720 1955	40			2	0	0		35		S	28 M		
WALTERSBURG, MIS		1900 1955	10			1	0	0		37		S	12 M		
TAR SPRINGS, MIS		1960 1955	60			3	0	0		37		S	X M		
CYPRESS, MIS		2375 1956	10			1	0	0		38		S	14 M		
BETHEL, MIS		2400 1968	10			1	0	0		38		S	X		
AUX VASES, MIS		2650 1945	10			1	0	0		38		S	10 MF		
SHAWNEETOWN E, GALLATIN, 9S, 10E															
		1952	30	0.0	18.3	4	0	0	2					MIS	283
WALTERSBURG, MIS		1855 1955	10			2	0	0		37		S	10		
BETHEL, MIS		2480 1955	10			1	0	0		37		S	X		
AUX VASES, MIS		2660 1952	10			1	0	0		38		S	9		
*SHAWNEETOWN N, GALLATIN, 9S, 10E															
		1948	50	0.0	104.9	4	0	0	0					MF	313
AUX VASES, MIS		2750 1955	40			3	0	0		38		S	20 MF	MIS	
MCCLOSKEY, MIS		3045 1948	10			1	0	0		36		L	6 MF		
*SHELBYVILLE C, SHELBY, 11N, 4E															
AUX VASES, MIS		1860 1946	110	1.2	43.5	9	0	0	1	34		S	15 A	MIS	330
SHUMWAY, EFFINGHAM, 9N, 5E															
MCCLOSKEY, MIS		2223 1965	10	0.0	3.4	1	0	0	0	37		L	3	MIS	227
			ABO 1969												

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test			
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			Gr. fur API (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
SICILY, CHRISTIAN, 13N, 4W															
SILURIAN															
		1860 1956	70	0.0	69.4	6	0	0	0	39	L	16	SIL	188	
A80 1967															
*SIGGINS, CUMBERLAND, CLARK, 10-11N, 10-11E, 14W															
1906															
1ST(UP)SIGGINS,PEN	400	4430		X	X	1124	0	0	446			0	TRN	334	
2ND(LO)SIGGINS,PEN	460	4430				895	0	0		36	S	25	O		
3RD,4THSIGGINS,PEN	580	#				95	0	0		36	S	X	O		
TRENTON, ORO	3013	1972	10			209	0	0		37	S	40	D		
SEE CLARK COUNTY DIVISION FOR PRODUCTION															
SILURIAN															
		603 1959	280	2.8	236.5	26	0	1	12	37	O	4	AC	STP	111
*SORENTO C, BONO, 6N, 4W															
1938															
PENNSYLVANIAN	570	1956	700	2.0	1926.7	58	0	0	5				A	TRN	268
LINGLE, OEV	1875	1938	80			6	0	0		31	S	20	A		
			640			52	0	0		35	S	8	A		
SORENTO W, BONO, 6N, 4W															
DEVONIAN															
		1880 1956	10	0.0	0.0	1	0	0	0	37	L	X	ORO	270	
A80 1956															
SPARTA +, RANDOLPH, 4-5S, 5-6W															
CYPRESS, MIS															
	850	1888	20	0.0	X	2	0	0	0	35	S	7	O	TRN	313
A80 1900															
SPARTA S, RANDOLPH, 5S, 5W															
CYPRESS, MIS															
	880	1949	10	0.0	0.0	1	0	0	0	35	S	8	A	MIS	90
A80 1950															
SPRINGERTON S, WHITE, 4S, 8E															
SPAR MTN, MIS															
	3440	1976	10	4.9	4.9	1	1	0	1		S	9		MIS	350
SPRINGFIELD E, SANGAMON, 15N, 4W															
1960															
HIBBARD, OEV	1625	1960	230	2.9	326.2	22	0	0	6				R	SIL	170
SILURIAN	1600	1960	10			1	0	0		37	S	4	D		
			220			22	0	0		39	D	12	R		
*STAUNTON +, MACOUPIN, 7N, 7W															
PENNSYLVANIAN															
	515	1952	30	0.2	4.1	2	0	0	1	35	S	11	A	ORO	237
*STAUNTON W, MACOUPIN, 7N, 7W															
PENNSYLVANIAN															
	505	1954	260	5.3	113.9	26	0	0	15	35	S	10		SIL	151
STEWARSON, SHELBY, 10N, 5E															
1939															
AUX VASES, MIS	1945	1939	330	25.7	897.5	28	0	1	23					OEV	341
SPAR MTN, MIS	2021	1958	330			27	0	1		38	O.18	S	9	A	
			70			5	0	0		37	S	4	A		
STEWARSON E, SHELBY, 9-10N, 6E															
1963															
AUX VASES, MIS	2177	1963	30	0.7	17.9	3	0	0	2					MIS	228
SPAR MTN, MIS	2197	1963	10			1	0	0		38	S	6			
			30			3	0	0		37	S	6			
STEWARSON W, SHELBY, 10N-5E															
BENOIST, MIS															
	1920	1970	10	0.0	0.0	1	0	0	0		S	5		MIS	210
A80 1971															
STIRITZ, WILLIAMSON, 8S, 2E															
110															
BETHEL, MIS	2470	1976	40	10.9	150.1	7	3	0	7					MIS	275
AUX VASES, MIS	2525	1971	70			2	2	0			S	4			
						5	1	0			S	6			
*STORMS C +, WHITE, 5-6S, 9-10E															
1939															
PENNSYLVANIAN	1320	1954	4680	278.5	20430.1	435	2	3	174				AM	OEV	517
			330			9	0	0		29	S	10	A		

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test			
	Name and age			Depth (ft)	During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. fur °API	Sul- (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)															
*STORMS C +, WHITE, 5-6S, 9-10E															
BIEMEL, PEN		1840 1951	#			16	0	0		35	S	4	AF		
DEGONIA, MIS		2090 1954	180			13	0	0		35	S	7	AL		
CLORE, MIS		2100 1954	250			30	0	0		35	S	10	AL		
PALESTINE, MIS		2150 1941	70			6	0	0		35	S	12	AL		
WALTERSBURG, MIS		2230 1939	2690			246	0	1		32	0,28	S	15	AL	
TAR SPRINGS, MIS		2340 1946	300			28	0	0		37	S	10	MF		
HARDINSBURG, MIS		2476 1959	20			2	0	0		37	S	9	MF		
CYPRESS, MIS		2700 1946	330			22	0	1		34	S	10	MF		
BETMEL, MIS		2810	40			4	0	0		37	S	X	MF		
RENAULT, MIS		2990	20			2	0	0		39	L	5	A		
AUX VASES, MIS		3000 1946	1020			76	0	1		35	S	13	AF		
OMARA, MIS		3095	290			9	2	0		35	L	10	AC		
SPAR MTN, MIS		3115 1950	#			9	0	0		34	L	2	AC		
MCCLOSKEY, MIS		3055	#			8	0	0			L	5	MC		
SALEM, MIS		3738 1966	10			1	0	0			L	6			
*STRINGTOWN, RICHLAND, 4-5N, 11E, 14W															
STE, GEN, MIS		3025 1941	550	0,0	1608,6	37	0	0	0	40	0,24	OL	8	AC	MIS 365
			ABO 1975												
STRINGTOWN E, RICHLAND, 4N, 14W															
MCCLOSKEY, MIS		3010 1948	10	0,0	2,0	1	0	0	0	37	L	4		MIS	317
			ABO 1950												
STRINGTOWN S, RICHLAND, 4N-14W															
SPAR MTN, MIS		3117 1970	30	0,0	0,2	3	0	2	0		S	8		MIS	318
			ABO 1976												
STURBLEFIELD S +, BOND, 4N, 3W															
PENNSYLVANIAN		1955	70	2,8	3,6	6	1	0	4					DEV	245
CYPRESS, MIS		540 1974	40			3	0	0			S	15			
DEVONIAN		985 1955	10			1	0	0		35	S	4			
		2185 1963	20			2	1	0		37	L	8			
			ABO 1956, REV 1963, ABO 1965, REV 1974												
SUMNER, LAWRENCE, 4N, 13W															
MCCLOSKEY, MIS		2260 1944	20	0,0	15,7	2	0	0	0	39	L	4	MC	MIS	236
			ABO 1953												
SUMNER CEN, LAWRENCE, 4N, 13W															
SPAR MTN, MIS		2544 1966	10	0,0	0,0	1	0	0	0	37	L	5		MIS	310
			ABO 1968												
SUMNER S +, LAWRENCE, 3N, 13W															
AUX VASES, MIS		2620 1964	60	0,0	0,0	4	0	0	0	36	S	8		MIS	299
			ABO 1969												
SUMPTER, WHITE, 4S, 9E															
DEGONIA, MIS		1945	360	25,3	382,2	25	2	0	13			A		DEV	550
CLORE, MIS		2140 1975	10			1	0	0			S	5			
TAR SPRINGS, MIS		2195 1975	10			1	0	0			S	5			
HARDINSBURG, MIS		2575 1945	280			19	2	0		37	S	18	AF		
CYPRESS, MIS		2655 1951	10			1	0	0		36	S	14	AF		
OMARA, MIS		2860 1948	70			5	1	0		37	S	15	AF		
		3222 1960	10			1	0	0		36	L	6	A		
*SUMPTER E, WHITE, 4-5S, 10E															
CYPRESS, MIS		1951	1610	52,9	2665,3	98	0	0	39					MIS	339
BETMEL, MIS		2795	220			18	0	0		37	S	16	AL		
AUX VASES, MIS		2922 1960	20			2	0	0		35	S	12	A		
OMARA, MIS		3020 1952	420			27	0	0		39	S	15	AL		
SPAR MTN, MIS		3115 1951	1110			44	0	0		36	L	12	AC		
MCCLOSKEY, MIS		3140 1952	#			18	0	0		36	L	4	AC		
		3150	#			3	0	0		33	L	5	AC		
*SUMPTER N, WHITE, 4S, 9E															
AUX VASES, MIS		1952	280	16,1	651,6	20	2	0	10					DEV	550
MCCLOSKEY, MIS		3185 1952	240			16	0	0		37	S	3	NL		
ULLIN, MIS		3312 1974	10			1	0	0			OL	4			
		4230 1975	30			3	2	0			L	30			
*SUMPTER S, WHITE, 4-5S, 9E															
TAR SPRINGS, MIS		1948	250	28,3	862,5	29	0	1	8					MIS	343
BETMEL, MIS		2580 1948	120			13	0	0		34	S	8	AF		
		3025	10			1	0	0		35	S	15	AF		
(CONTINUED ON NEXT PAGE)															

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
*SUMPTER S, WHITE, 4-5S, 9E	(CONTINUED FROM PREVIOUS PAGE)																
AUX VASES, MIS	3260			210			16	0	1		37	S	10	AF			
SUMPTER W, WHITE, 4S, 9E																	
AUX VASES, MIS	3165	1952		20	1.7	22.9	2	0	0	1	37	S	5	NL	MIS	333	
ARO 1964, REV 1969																	
TAMAROA +, PERRY, 4S, 1W																	
CYPRESS, MIS	1120	1942	1942	340	7.3	433.7	22	1	0	10					TRN	428	
TRENTON, ORO	4135	1964	1964	230			17	1	0		30	0.12	S	13	AL		
				110			6	0	0		38	L	40				
*TAMAROA S, PERRY, 4S, 1W																	
CYPRESS, MIS	1155	1957		250	8.6	307.5	20	0	0	12	28	S	7		MIS	138	
TAMAROA W, PERRY, 4S, 2W																	
CYPRESS, MIS	1100	1956		20	0.0	2.5	3	0	0	1	34	S	5		OEV	290	
TAYLOR HILL, FRANKLIN, 5S, 4E																	
OHARA, MIS	3055	1949	1949	40	0.5	81.9	5	0	0	0					MIS	409	
ULLIN, MIS	3940	1961	1961	40			3	0	0		37	L	4				
				30			2	0	0		38	L	15				
ARO 1964																	
TEUTOPOLIS, EFFINGHAM, 8N, 6E																	
SPAR MTN, MISS	2402	1966	1966	160	2.9	128.8	10	0	0	9					MIS	284	
MCCLOSKEY, MIS	2530	1967	1967	150			10	0	0			L	5				
ST LOUIS, MIS	2570	1967	1967	40			1	0	0		38	OL	4				
							3	0	0		39	L	4				
TEUTOPOLIS S, EFFINGHAM, 8N, 6E																	
SPAR MTN, MIS	2477	1968	1968	50	0.5	19.0	3	0	0	2					MIS	295	
MCCLOSKEY, MIS	2535	1968	1968	50			2	0	0			S	4				
				#			2	0	0			OL	5				
*THACKERAY, HAMILTON, 5S, 7E																	
CYPRESS, MIS	3030	1944	1944	830	24.5	4337.5	74	0	0	29				A	OEV	561	
AUX VASES, MIS	3360	1944	1944	20			2	0	0		36	S	24	A			
OHARA, MIS	3435	1946	1946	760			67	0	0		37	S	15	AL			
MCCLOSKEY, MIS	3500	1946	1946	120			1	0	0			L	5	AC			
				#			6	0	0		37	L	10	AC			
THOMPSONVILLE, FRANKLIN, 7S, 4S																	
OHARA, MIS	3110	1940	1940	380	2.9	382.1	37	0	0	12					OEV	540	
SPAR MTN, MIS	3190	1967	1967	310			7	0	0			L	4				
MCCLOSKEY, MIS	3200	1940	1940	#			1	0	0			LS	4				
ST LOUIS, MIS	3450	1967	1967	#			19	0	0	8	38	0.16	L	10	A		
				80			10	0	0		39	L	10				
ARO 1947, REV 1967																	
*THOMPSONVILLE E, FRANKLIN, 7S, 4E																	
AUX VASES, MIS	3150	1949		180	6.9	606.5	14	0	0	1	38	S	8	ML	MIS	337	
*THOMPSONVILLE N, FRANKLIN, 7S, 4E																	
CYPRESS, MIS	2750	1944	1944	870	23.4	3734.9	67	0	0	15				A	MIS	349	
AUX VASES, MIS	3100	1944	1944	20			1	0	0		37	S	10	AL			
				860			86	0	0		35	S	20	AL			
TILOEN, RANDOLPH, 4S, 5W																	
SILURIAN	2160	1952		610	53.5	4378.3	35	1	3	30	40	L	60	R	ORO	309	
TILOEN N, ST CLAIR, WASHINGTON, RANDOLPH, 3-4S, 5-6W																	
SILURIAN	2014	1968		270	40.2	742.3	19	0	0	19	42	L	70	R	ORO	281	
TOLIVER E, CLAY, 5N, 6-7E																	
CYPRESS, MIS	2510	1943	1943	100	1.0	231.7	8	1	0	2				M	MIS	320	
(CONTINUED ON NEXT PAGE)		1955	1955	10			1	0	0		36	S	14	M			

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)															
TOLIVER E, CLAY, 5N, 6-7E															
AUX VASES, MIS		2740	1967	20		2	0	0		36	S	4			
SPAR MTN, MIS		2815		50		2	1	0		36	L	6	MC		
MCCLOSKEY, MIS		2840	1943	#		3	0	0		35	OL	8	MC		
TOLIVER S, CLAY, 4N, 6E															
AUX VASES, MIS		2765	1953	70	0,0	4	0	0	0	36	S		MC	MIS 291	
MCCLOSKEY, MIS		2875	1956	10	21,0	1	0	0		34	L	5	MC		
				60	37,0	3	0	0							
				ABO 1964											
*TONTI, MARION, 2-3N, 2E															
BENOIST, MIS		1930	1939	570	116,0	13891,6	107	1	1	64			0	ORO 490	
AUX VASES, MIS		2005	1939	140			18	1	0	36	S	20	0		
SPAR MTN, MIS		2125		180			26	1	1	37	S	30	0		
MCCLOSKEY, MIS		2130	1939	630			16	1	0		LS	12	0		
DEVONIAN		3500		#			73	1	0	38	0,21	OL	15	0	
				80			7	0	0	37	0	7	R		
TOVEY, CHRISTIAN, 13N, 3W															
SILURIAN		1850	1955	10	0,0	28,0	1	0	0	0	38	L	10	SIL 188	
				ABO 1973											
*TRUMBULL C, WHITE, 5S, 8-9E															
PENNSYLVANIAN		1944		1500	79,8	3602,1	113	0	0	56			A	MIS 428	
TAR SPRINGS, MIS		830	1974	10			1	0	0		S	12			
CYPRESS, MIS		2528	1962	30			2	0	0	35	S	5			
BETHEL, MIS		2845	1944	420			32	0	0	36	S	10	A		
AUX VASES, MIS		2955	1959	50			2	0	0	37	S	9	A		
OHARA, MIS		3170	1946	520			42	0	0	36	S	9	A		
SPAR MTN, MIS		3230		660			19	0	0	36	L	15	AC		
MCCLOSKEY, MIS		3270	1946	#			13	0	0		L	6	AC		
		3290	1947	#			19	0	0		L	5	AC		
*TRUMBULL N, WHITE, 4S, 8E															
AUX VASES, MIS		3325	1961	40	0,0	6,9	3	0	0	0	36	S	6	MIS 353	
MCCLOSKEY, MIS		3466	1961	20			1	0	0	37	OL	16			
				20			2	0	0						
				ABO 1966											
TURKEY BEND, PERRY, 4S, 2W															
TRENTON, ORO		3940	1957	10	1,4	49,7	1	0	0	1	39	L	1	ORO 404	
*VALIER, FRANKLIN, 6S, 2E															
AUX VASES, MIS		2685	1942	110	3,4	102,0	6	0	0	2				MIS 290	
MCCLOSKEY, MIS		2715	1942	100			5	0	0	39	S	7			
				10			1	0	0	39	L	12	ML		
				ABO 1945, REV 1963											
VERGENNES, JACKSON, 7S, 2W															
DEVONIAN		3300	1975	60	2,9	4,7	4	0	0	4	39	L	10	ORO 709	
VIROEN W, MACOUPIN, 12N, 7W															
DEVONIAN		1361	1963	30	0,0	0,0	2	0	0	0	38	L	20	DEV 139	
				ABO 1971											
WAGGONER +, MONTGOMERY, 11N, 5W															
POTTSVILLE, PEN		610	1940	30	0,0	12,0	6	0	1	0	28	0,21	S	10	SIL 194
				ABO 1949, REV 1959, ABO 1960, REV 1963, ABO 1964											
WAKEFIELD, JASPER, 5N, 9E															
SPAR MTN, MIS		3100	1946	40	0,0	1,7	2	0	0	0	38	L	5	MIS 320	
				ABO 1947, REV 1953, ABO 1954											
WAKEFIELD N, JASPER, 5N, 9E															
MCCLOSKEY, MIS		3000	1953	10	0,0	23,2	1	0	0	0	37	L	6	MIS 320	
				ABO 1958											
WAKEFIELD S, RICHLAND, 5N, 9E															
MCCLOSKEY, MIS		3040	1955	80	0,0	7,2	5	0	0	0	37	L	4	MIS 365	
				ABO 1955, REV 1969, ABO 1974											

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Kind of rock, avg. thickness in feet, structure	Deepest test		
	Name and age			Depth (ft)	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			Gr. fur API (%)	Zone	Depth (ft)
*WALPOLE, HAMILTON, 6-7S, 6E															
		1941	2180	65.9	10454.2	133	0	1	59			A	OEV	532	
TAR SPRINGS, MIS	2465		110			7	0	0		37	S	15	AL		
AUX VASES, MIS	3070	1941	2060			121	0	1		37	0.13	S	20	A	
SPAR MTN, MIS	3195	1954	200			3	0	0				L	7	AC	
MCCLOSKEY, MIS	3162	1960	#			10	0	0		37		OL	7	AC	
ST. LOUIS, MIS	3544	1960	10			1	0	0		38		L	A	AC	
WALPOLE S, HAMILTON, 7S, 6E															
AUX VASES, MIS	3120	1951	40	0.0	123.3	2	0	0	0	37	S	6	AL	MIS 336	
			480	1975											
WALTONVILLE, JEFFERSON, 3S, 2E															
		1943	60	1.4	137.6	5	0	0	3			A	MIS	337	
BENOIST, MIS	2460	1943	50			4	0	0		38	0.14	S	9	A	
ST. LOUIS, MIS	2767	1962	10			1	0	0		37		L	14		
*WAMAC, MARION, CLINTON, WASHINGTON, 1N, 1E, 1W															
		1921	310	0.0	692.3	119	0	1	1				OF	ORO 416	
PETRO, PEN	720	1921	300			117	0	0		36	S	20	OF		
DEVONIAN	3015	1959	10			1	0	1		38	L	9	OF		
WAMAC E +, MARION, 1N, 1E															
ISABEL, PEN	845	1952	140	0.1	49.3	11	0	0	4	30	S	15	ML	DEV 340	
				PAY ZONE IS ISABEL (WILSON SAND), PEN											
*WAMAC W, CLINTON, 1N, 1W															
		1962	250	28.8	934.9	27	0	1	22					OEV 305	
CYPRESS, MIS	1312	1962	120			14	0	0		35	S	8			
BENOIST, MIS	1466	1962	130			13	0	1		36	S	12			
WAPELLA E, DEWITT, 21N, 3E															
		1962	350	134.4	2748.7	36	0	0	36					STP 221	
DEVONIAN	1108	1963	30			3	0	0		31	L	5			
SILURIAN	1112	1962	350			36	0	0		31	0	6	R		
*WARRENTON-BORTON, EOGAR, COLES, 13-14N, 13-14W															
UNNAMED, PEN	200	1906	470	0.0	32.0	47	0	0	1	31	S	20	ML	TRN 221	
WATERLOO, MONROE, 1-2S, 10W															
TRENTON, ORD	410	1920	160	0.7	238.7	42	1	1	3	30	0.97	L	50	A PC 276	
				ABO 1930, REV 1939, CONVERTED IN PART TO GAS STORAGE 1951											
WATSON, EFFINGHAM, 7N, 5-6E															
		1957	30	0.8	59.0	3	0	0	1					MIS 264	
SPAR MTN, MIS	2415	1957	30			2	0	0			S	5			
MCCLOSKEY, MIS	2434	1958	#			1	0	0		38	L	11			
WATSON W, EFFINGHAM, 7N, 5E															
AUX VASES, MIS	2208	1965	10	0.8	11.8	1	0	0	1	39	S	12		MIS 231	
WAVERLY +, MORGAN, 13N, 8W															
DEV-SIL	1020	1946	20	0.0	0.0	1	0	0	0		L	10	A	ORO 207	
				ABO, GAS STORAGE IN ST PETER AND GALESVILLE											
WEAVER, CLARK, 11N, 10W															
		1949	530	22.0	2354.0	42	0	2	24			R	OEV	216	
COLE, MIS	1565	1953	30			1	0	0		30	S	5	D		
DEVONIAN	2030	1949	500			40	0	2		37	L	10	R		
*WEST FRANKFORT C, FRANKLIN, 7S, 2-3E															
		1941	1680	76.5	7274.9	149	0	4	56			A	OEV	486	
TAR SPRINGS, MIS	2060	1941	680			70	0	2		39	0.13	S	20	A	
AUX VASES, MIS	2710	1947	400			35	0	1		38		S	20	AL	
OMARA, MIS	2760	1943	850			44	0	0		38		L	8	AC	
SPAR MTN, MIS	2810		#			6	0	0				L	8	AC	
MCCLOSKEY, MIS	2825	1947	#			21	0	1		38		L	14	AC	

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone		Year of dis- cov- ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*WEST SEMINARY, CLAY, 2N, 7E																
			1959	320	0.0	819.9	29	0	0	2				MC	MIS	319
	AUX VASES, MIS	2972	1959	230			18	0	0		37	S	10	MC		
	SPAR MTN, MIS	3059	1959	290			3	0	0			L	6	MC		
	MCCLOSKEY, MIS	3068	1959	#			14	0	0		38	OL	12	MC		
*WESTFIELD, CLARK, COLES, 11-12N, 11E-14W																
			1904	9710	X	X	1840	6	0	246				0	STP	300
	GAS, PEN	280		1340			234	2	0		28	S	25	0		
	WESTFIELD, MIS	335		8830			35	4	0		32	L	X	0		
	CARPER, MIS	875		580			28	0	0		38	S	18	0		
	TRENTON, ORO	2300		1710			87	0	0		38	0.18 L	40	0		
SEE CLARK COUNTY DIVISION FOR PRODUCTION																
*WESTFIELD E +, CLARK, 11-12N, 14W																
	PENNSYLVANIAN	400	1947	310	3.3	6.9	44	0	0	31	28	S	11	ML	MIS	79
WESTFIELD N, COLES, 12N, 14W																
			1949	20	0.0	0.4	2	0	0	0					PEN	61
	PLEASANTVIEW, PEN	275	1949	20		0.4	1	0	0		28	S	5			
	PENNSYLVANIAN	490	1949	#			1	0	0			S	10			
ABO 1957																
*WHITEASH, WILLIAMSON, B3, 2E																
			1972	70	3.9	20.4	5	2	1	4					MIS	265
	AUX VASES, MIS	2464	1973	60			4	2	1			S	12			
	OHARA, MIS	2532	1972	20			2	0	0			L	8			
*WHITTINGTON, FRANKLIN, 5S, 3E																
			1939	1020	71.4	2643.7	76	1	2	47				A	OEV	481
	HAROINSBURG, MIS	2310	1948	430			28	0	0		38	S	10	A		
	CYPRESS, MIS	2535		240			16	0	1		35	S	10	A		
	BETHEL, MIS	2612	1961	60			3	0	0		38	S	4	A		
	AUX VASES, MIS	2735		120			11	0	0		38	S	15	A		
	OHARA, MIS	2835		400			13	0	1		37	L	10	AC		
	SPAR MTN, MIS	2880		#			7	1	0			L	10	AC		
	MCCLOSKEY, MIS	2870	1939	#			7	1	0		38	0.24 L	9	AC		
	ST. LOUIS, MIS	3080	1939	40			5	1	0		38	0.24 L	6	AC		
*WHITTINGTON S, FRANKLIN, 5-6S, 3E																
	CYPRESS, MIS	2580	1950	120	2.7	472.0	10	0	0	10	35	S	10	A	MIS	304
*WHITTINGTON W, FRANKLIN, 5S, 2-3E																
			1943	670	0.0	1571.2	38	0	0	2				A	MIS	353
	BENOIST, MIS	2615	1949	10			1	0	0		36	S	10	AL		
	RENAULT, MIS	2700	1956	480			21	0	0		37	L	X	A		
	AUX VASES, MIS	2700	1944	180			13	0	0		38	S	15	AL		
	OHARA, MIS	2800	1943	110			5	0	0			L	5	AC		
	SPAR MTN, MIS	2780	1947	#			2	0	0			L	4	AC		
	MCCLOSKEY, MIS	2900		#			3	0	0		38	L	6	AC		
*WILBERTON, FAYETTE, 5N, 2-3E																
			1959	1070	42.5	1750.1	58	0	1	36					ORO	452
	BORDEN, MIS	2628	1963	10			1	0	0		35	S	38			
	CARPER, MIS	3203	1961	1060			46	0	1		37	S	39			
	LINGLE, OEV	3466	1959	60			5	0	0		28	S	4			
*WILLIAMS C, JEFFERSON, 2-3B, 2E																
			1948	490	13.9	1370.1	45	0	0	32				A	OEV	457
	BENOIST, MIS	2490	1949	230			17	0	0		39	S	10	AL		
	AUX VASES, MIS	2550	1949	400			29	0	0		37	S	5	AL		
	MCCLOSKEY, MIS	2600		10			1	0	0		37	L		AC		
*WOBBURN C, BONO, 6-7N, 2W																
			1940	1430	24.5	4500.8	136	0	4	50				A	ORO	327
	CYPRESS, MIS	865	1950	310			20	0	1		35	S	A	AL		
	BENOIST, MIS	1020	1940	340			38	0	3		36	0.20 S	10	AL		
	RENAULT, MIS	1047	1958	10			1	0	0		36	L	X	AL		
	AUX VASES, MIS	1055	1956	140			5	0	0		36	S	10	AL		
	LINGLE, OEV	2275	1949	720			56	0	0		35	S	8	AC		
	TRENTON, ORO	3170	1947	320			19	0	0		39	0.27 L	12	A		

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of dis- covery	Area proved in acres	Oil production (M bbl)		Number of wells				Pro- ducing end of year	Character of oil		Pay zone	Deepest test	
	Name and age			Depth (ft)	During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976		Gr. API	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
*WOODLAWN, JEFFERSON, 2-3S, 1-2E															
		1940	1900	68.3	18135.2	194	0	0	75					ARO	510
TAR SPRINGS, MIS	1440		30			3	0	0	35		S	X	AL		
CYPRESS, MIS	1800	1943	180			3	0	0	37		S	10	AL		
BENOIST, MIS	1960	1940	1860			175	0	0	37	0.16	S	25	A		
AUX VASES, MIS	1979	1945	270			24	0	0	38		S	10	A		
SPAR MTN, MIS	2205	1947	240			15	0	0	38		LS	15	A		
MCCLOSKEY, MIS	2200	1948	#			1	0	0			L	3	A		
LINGLE, DEV	3690	1945	70			11	0	0	37		S	6	A		
XENIA, CLAY, 2N, SE															
		1941	120	0.0	46.7	8	0	0	3				A	DEV	474
AUX VASES, MIS	2785	1941	10			1	0	0	35	0.19	S	13	A		
CARPER, MIS	4230	1962	110			7	0	0	38		S	12			
XENIA E. CLAY, 2N, SE															
		1951	300	11.6	901.7	29	0	0	12				A	MIS	462
CYPRESS, MIS	2500	1951	260			13	0	0	37		S	6	AL		
BENOIST, MIS	2710		110			9	0	0	35		S	6	AL		
RENAULT, MIS	2755	1959	20			2	0	0	35		S	15	AL		
AUX VASES, MIS	2741	1960	30			3	0	0	35		S	10	A		
YALE, JASPER, 8N, 11E															
		1966	40	1.2	4.9	4	0	0	2					MIS	239
SPAR MTN, MIS	2070	1966	40			1	0	0			L	10			
MCCLOSKEY, MIS	2140	1966	#			3	0	0	37		L	6			
*YORK, CUMBERLAND, CLARK, 9-10N, 10-11E, 14W															
ISABEL, PEN	590	1907	410	X	X	79	1	0	10	31	S	15	AM	DEV	264
SEE CLARK COUNTY DIVISION FOR PRODUCTION, ABO 1945, REV 1950															
*ZEIGLER, FRANKLIN, 7S, 2E															
AUX VASES, MIS	2614	1963	350	25.4	2061.3	34	0	0	33	37	S	19		MIS	303
ZENITH, WAYNE, 2N, SE															
		1948	50	0.0	24.6	5	0	0	2					MIS	360
MCCLOSKEY, MIS	2970	1948	40			4	0	0	38		L	7	AC		
ST LOUIS, MIS	3088	1969	10			1	0	0			L	6			
ABO 1956, REV 1969, ABO 1970, REV 1973															
*ZENITH E, WAYNE, 1N, 6E															
SPAR MTN, MIS	3170	1965	250	5.2	529.0	14	0	0	11	37	L	10		MIS	351
*ZENITH N, WAYNE, 2N, 6E															
		1951	440	43.7	1361.2	32	0	1	19				N	MIS	393
SPAR MTN, MIS	3080	1951	280			15	0	0	38		L	6	NC		
MCCLOSKEY, MIS	3140	1951	#			6	0	0			L	4	NC		
SALEM, MIS	3634	1972	230			15	0	1			L	6	NC		
ZENITH S, WAYNE, 1N, SE															
		1949	300	0.0	765.9	15	0	0	0				M	MIS	382
OMARA, MIS	2920		300			2	0	0			L	6	MC		
MCCLOSKEY, MIS	2985	1949	#			13	0	0	37		L	7	MC		
ABO 1966, REV 1967, ABO 1970															

Production, location unknown

581.2

TOTALS

604,610 26,272.2 3,052,814 66,631 771 598 23,621



65

Abd: Field abandoned. Rev: Field revived.

†† Gas storage project.

Field; county; location by township and range	Pay zone			Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test	
	Name and age	Depth (ft)	Year of dis- covery		During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth (ft)
Albion C*; Edwards, White; 3S; 10E															
	Pennsylvanian	1,490	1940	50	0	0	0	0	0	0	S	6	MF	Dev	5,185
Alhambra; Madison; 5N; 6W															
	Pennsylvanian	600	1974	20	0	0	1	0	0	0	S	6	X	Sil	2,005
Ashmore E*; Edgar; 13N; 14W															
	Pennsylvanian	367	1973	10	0	0	1	0	0	0	S	22	X	Mis	1,880
Ashmore S* <sup>++</sup> ; Clark, Coles; 12N; 10-11E, 14W															
			1958	460	0	x	23	0	0	0			A	Trn	2,260
	Unnamed, Pen	430	1958	440			22				S	x	A		
	Osage, Mis	385	1963	20			1				S	x	X		
Ava-Campbell Hill*; Jackson; 7S; 3-4W															
	Cypress, Mis	780	1916	370	0	x	20	0	0	0	S	18	A	Trn	3,582
Abd 1943; rev (oil) 1956; abd 1957															
Ayers Gas; Bond; 6N; 3W															
	Benoist, Mis	940	1922	325	0	298.7	21	0	0	0	S	5	A	Ord	3,044
Abd 1950															
Beaver Creek N*; Bond; 4N; 2W															
	Benoist, Mis	1,132	1965	40	0	0	1	0	0	0	S	x	X	Dev	2,556
Beaver Creek NE Gas <sup>++</sup> ; Bond; 4N; 2W															
	Benoist, Mis	1,126	1961	70	0	x	7	0	0	0	S	5		Sil	2,487
Beaver Creek S*; Bond, Clinton; 3-4N; 2W															
	Cypress, Mis	1,015	1946	250	0	0	7	0	0	0	S	20	A	Sil	2,606
Beckemeyer Gas*; Clinton; 2N; 3W															
			1956	90	0	0	2	1	0	0				Sil	2,730
	Cypress, Mis	1,070	1956	80			1				S	23			
	Benoist, Mis	1,155	1975	10			1				S	13			
Abd 1958; rev 1975															
Bellair*; Crawford; 8N; 14W															
	Carper, Mis	1,772	1970	10	0	0	1	0	0	0	S	45		Dev	2,063
Beverly Gas; Adams; 3S; 5W															
	Silurian	450	1957	80	0	0	2	0	0	0	L	6	X	St. P	840
Black Branch E*; Sangamon; 15N; 4W															
	Silurian	1,695	1969	20	0	0	1	0	0	0	L	23		Sil	1,755
Boulder*; Clinton; 2-3N; 2W															
	Geneva, Dev	2,630	1941	320	0	0	4	0	0	0	D	7	R	Trn	3,813
Abd 1965															

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test	
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Depth (ft)
Boulder E*; Clinton; 3N; 1W														
	Devonian	2,840	1957	80	0 Abd 1957	0	2	0	0	0	L 12 X		Sil	2,946
Carlinville*; Macoupin; 9N; 7W														
	Unnamed, Pen	365		60	0 Abd 1925; rev 1942	0	6	0	0	0	S x A		Mis	1,380
Carlinville N*; Macoupin; 10N; 7W														
	Pottsville, Pen	440	1941	40	0 Abd 1954	0	1	0	0	0	S 10 X		Trn	1,970
Carlyle*; Clinton; 2N; 3W														
	Cypress, Mis	1,015	1958	20	0	x	2	1	0	0	S x AL		St. P	4,120
Casey*; Clark														
	Casey, Pen	440		x	0	x	x	0	0	0	S x AM		Trn	2,608
Claremont; Richland; 3N; 14W														
	Spar Mtn, Mis	3,200	1950	160	0 Abd 1952	0	1	0	0	0	L 5 MC		Mis	3,340
Cooks Mills C* <sup>++</sup> ; Coles, Douglas; 14N; 7-8E														
			1941	950	0	1,895.4	23	0	0	0		A	Dev	3,059
	Cypress, Mis	1,600		680			14				S 10 A			
	Aux Vases, Mis	1,800		40			1				S 8 A			
	Spar Mtn, Mis	1,765		450			6				S 15 A			
Corinth S; Williamson; 9S; 4E														
	Hardinsburg, Mis	2,232	1970	60	0	147.4	4	0	0	0	S 4		Mis	2,823
Dubois C*; Washington; 3S; 1-2W														
	Cypress, Mis	1,220	1939	400	0	0	10	0	0	0	S 10 AL		Ord	4,217
Dudley*; Edgar; 14N; 13W														
	Pennsylvanian	300	1948	170	0	x	5	0	0	0	S 20 M		St. P	2,997
Dudley W Gas; Edgar; 13N; 13W														
	Gas, Pen	380	1953	130	0	0	4	0	0	0	S 11 X		Pen	478
Eden Gas <sup>++</sup> ; Randolph; 5S; 5W														
	Cypress, Mis	875	1962	1,000	0	0	15	0	1	0	S		Mis	2,377
Eldorado C*; Saline; 8S; 7E														
			1941	300	20.2	3,705.4	17	0	0	2		A	Mis	3,606
	Palestine, Mis	1,920		120			3				S 20 AL			
	Waltersburg, Mis	2,055		80			2				S 20 AL			
	Tar Springs, Mis	2,225		40			4				S 17 AL			
	Hardinsburg, Mis	2,353	1962	120			4				S 5			
	Cypress, Mis	2,460		80			2				S 20 X			
Eldorado E*; Saline; 8S; 7E														
			1953	120	37.3	943.0	10	0	0	2		A	Mis	3,666
	Palestine, Mis	1,900		80			5	0	0		S 30 AL			
	Tar Springs, Mis	2,135		20			5	0	0		S 20 AL			
	Cypress, Mis			10			1							
Eldorado W*; Saline; 8S; 6E														
	Palestine, Mis	1,923	1960	10	0	0	1	0	0	0	S 27 X		Mis	3,138

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth (ft)
Fishhook Gas; Adams, Pike; 3-4S; 4-5W															
	Edgewood, Sil	450	1955	7,260	0	0	69	0	0	0	L	5	X	St. P	1,018
Ficklin; Douglas; 16N; 8E															
	Spar Mtn, Mis	1,444	1966	40	0	0	1	0	0	0	S	20	X	Cam	5,301
Freeburg* <sup>++</sup> ; St. Clair; 1-2S; 7W															
	Cypress	380	1956	700	0	x	29	0	0	0	S	30	X	Ord	2,008
Gillespie-Benld (Gas) <sup>++</sup> ; Macoupin; 8N; 6W															
	Unnamed, Pen	540	1923	80	0 Abd 1935	135.8	5	0	0	0	S	x	A	Pen	603
Gillespie W; Macoupin; 8N; 7W															
	Unnamed; Pen	525	1958	10	0 Abd 1976	0	1	0	1	0	S	x	X	Pen	565
Grandview*; Edgar; 12-13N; 13W															
			1945	470	0	x	17	3	0	0			M	Ord	2,694
	Gas, Pen	400		430			16	3			S	x	ML		
	Salem, Mis	570		40			1	0			L	2	ML		
Greenville Gas*; Bond; 5N; 3W															
	Lindley (1st and 2nd), Mis	925	1910	180	0 Abd 1923; rev 1957; abd 1958	990.0	4	0	0	0	S	x	A	Trn	3,184
Harco, Harco E, Harco S, and Raleigh S*; Saline; 8S; 5E															
	X, Mis	x	1954	x	18.4	2,354.2	x	0	0	1				Mis	3,424
Harrisburg*; Saline; 8S; 6E															
	Tar Springs, Mis	2,085	1952	160	0 Abd 1971	93.2	1	0	0	0	S	6	X	Mis	2,930
Herald C*; Gallatin, White; 6-8S; 9-10E															
			1939	1,080	4.8	x	19	0	0	1			A	Mis	4,096
	Anvil Rock, Pen	700		360			9				S	25	AL		
	Pennsylvanian	1,750		120			3				S	18	AL		
	Waltersburg, Mis	2,240		120			3				S	10	A		
	Tar Springs	2,315		480			4				S	6	AL		
Hutton*; Coles; 11N; 10E															
	Pennsylvanian	620	1965	80	0	0	2	0	0	0	S	x	X	Mis	969
Inclose*; Clark, Edgar; 12N; 13-14W															
	Pennsylvanian	540	1941	400	0	x	15	1	0	0	S	12	X	Mis	1,600
Jacksonville (Gas)*; Morgan; 15N; 9W															
	Gas, Pen, Mis	330	1910	1,320	0 Abd 1939	x	45	0	0	0	LS	5	ML	Ord	1,390
Johnston City E; Williamson; 8S; 3E															
	Tar Springs, Mis	1,930	1965	80	55.3	880.6	4	0	0	3	S	10	X	Mis	2,997
Kansas Gas; Edgar; 13N; 14N															
	Unnamed, Pen	410	1958	30	0	x	3	0	0	0	S	x	X	Mis	778
Lawrence; Lawrence; 3N; 12W															
	McClosky, Mis	2,050	1975	10	0	0	1	0	0	0	L	x		Cam	9,261

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test	
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth (ft)
Livingston E; Madison; 6N; 6W															
	Pennsylvanian	540	1951	60	0	0	3	0	0	0	S	12	X	Mis	815
Livingston S*; Madison; 6N; 6W															
	Pennsylvanian	530	1950	40	0	0	1	0	0	0	S	2	ML	Si1	1,735
Louden* <sup>††</sup> ; Fayette; 7N; 3E															
			1937	1,760	0	×	14	0	0	0				Pc	8,616
	Burtschi, Pen	1,000		320			5				S	20	AL		
	Tar Springs, Mis	1,170		1,440			9				S	2	AL		
Main C*; Crawford, Lawrence; 5-8N; 10-14W															
			1906	×	×	×	×	0	1	0			M	St. P	5,317
	Robinson, Pen	1,000		×			×	0	1		S	×	ML		
	Hardinsburg, Mis	1,075		160			1	0	0		S	40	ML		
	Cypress, Mis	1,425		320			2	0	0		S	6	ML		
	Aux Vases, Mis	1,527	1959	60			6	0	0		S	8	ML		
Marion E*; Williamson; 9S; 3E															
	Aux Vases, Mis	2,406	1966	40	0	0	1	0	0	0	S	4	X	Mis	2,642
Marissa W (Gas)*; St. Clair; 3S; 7W															
	Cypress, Mis	241	1960	60	0	×	7	0	0	0	S	25		Ord	2,413
Mattoon*; Coles; 12N; 7E															
	Devonian	3,124	1948	890	1,198.5	5,928.1	29	1	2	20	L	4		St. P	4,915
Mt. Olive*; Montgomery; 8N; 5W															
	Pottsville, Pen	605	1942	100	0	×	4	0	0	0	S	6	A	Si1	1,878
New Athens Gas; St. Clair; 2S; 7W															
	Cypress, Mis	250	1961	250	0	0	10	6	1	0	S	13		Mis	400
New Harmony C*; White, Wabash, Edwards; 1N; 1-5S; 13-14W															
	Pennsylvanian	764	1974	10	0	0	1	0	0	0	S	12		Shk	7,682
New Hebron E*; Crawford; 6N; 12W															
	Robinson, Pen	866	1968	30	0	0	3	0	0	0	S	×	X	Mis	1,571
Omaha*; Gallatin; 7-8S; 8E															
			1940	130	0	221.4	4	0	0	0			D	Dev	5,320
	Palestine, Mis	1,865	1973	10			1	0	0		S		D		
	Tar Springs, Mis	1,900	1940	120			3	0	0		S	15	D		
Panama*; Bond, Montgomery; 7N; 3-4W															
			1940	280	0	×	7	0	0	0			A	Dev	2,016
	Pennsylvanian	575		160			4				S	30	A		
	Benoist, Mis	865		120			3				S	12	A		
Pittsburg N Gas*; Williamson; 8S; 3E															
	Hardinsburg, Mis	2,151	1962	20	0	10.0	2	0	0	0	S	6		Mis	3,070
Pittsfield (Gas); Pike; 5S; 4-5W															
	Niagaran, Si1	265	1886	8,960	0	×	68	0	0	0	L	10	A	Pc	2,226
					Abd 1930										
Plainview*; Macoupin; 8N; 8W															
	Pennsylvanian	441	1961	20	0	0	2	0	0	0	S	20	X	Pen	563

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test	
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth (ft)
Prentice*; Morgan; 16N; 8W															
	Pennsylvanian	260	1953	290	0	0	7	0	0	0	S	15	X	Ord	1,513
Raleigh*; Saline; 8S; 6E															
	Waltersburg, Mis	2,307	1962	50	18.3	539.9	2	0	0	1	S	7	X	Mis	3,249
Redmon N; Edgar; 14N; 13W															
	Pennsylvanian	365	1955	50	0	0	2	0	0	0	S	3	X	Mis	450
Richwood (Gas) <sup>++</sup> ; Crawford; 6N; 11W															
	Pennsylvanian	612	1959	160	0	28.6	4	0	0	0	S	9	X	Pen	1,001
Roland C*; Gallatin; 7S; 8E															
	Waltersburg, Mis	2,150	1940	160	0	0	1	0	0	0	S	19	AL	Dev	5,266
Russellville Gas*; Lawrence; 4-5N; 10-11W															
			1937	1,800	0	7,081.6	60	0	0	0				Dev	3,133
	Bridgeport, Pen	760		x		x	18			0	S	15	A		
	Buchanan, Pen	1,100		x		x	42				S	12	AL		
					Abd 1949										
St. Libory; St. Clair; 1S; 6W															
			1964	240	0	0	7	0	0	0				Sil	1,997
	Cypress, Mis	622	1965	40			1				S	11	X		
	Benoist, Mis	754	1964	40			1				S	22	X		
	Aux Vases, Mis	825	1964	120			4				S	10	X		
	Silurian			120			3				L		X		
Spanish Needle Creek (Gas); Macoupin; 9N; 7W															
	Unnamed, Pen	305	1915	80	0	14.4	7	0	1	0	S	x	D	Trn	2,070
					Abd 1934										
Sparta*; Randolph; 4-5S; 5-6W															
	Cypress, Mis	850	1888	160	0	x	18	0	0	0	S	7	D	Trn	3,130
					Abd 1900										
Staunton (Gas)*; Macoupin; 7N; 7W															
	Unnamed, Pen	460	1916	400	0	1,050.0	18	0	0	0	S	x	A	Ord	2,371
					Abd 1919										
Stirritz*; Williamson; 8S; 2E															
	Tar Springs, Mis	1,951	1971	10	13.2	61.4	1	0	0	1	S	14		Mis	2,756
Storms C*; White; 5-6S; 9-10E															
			1939	440	0	x	9	0	0	0				Dev	5,174
	Gas, Pen	1,090		170			2				S	40	Af		
	Waltersburg, Mis	2,230		280			7				S	15	AL		
Stubblefield S*; Bond; 4N; 4W															
			1962	220			9	0	0	3				Dev	2,455
	Pennsylvanian	590	1971	10							S	x	X		
	Cypress, Mis	920	1962	210	190.5	290.5					S	x	X		
Sumner S (Gas); Lawrence; 3N; 13W															
	Aux Vases, Mis	2,566	1959	40	0	0	2	0	0	0	S	10		Mis	2,990
Tamaroa*; Perry; 4S; 1W															
	Cypress, Mis	1,120	1942	20	0	0	2	0	0	0	S	13	AL	Trn	4,287
Tilden N Gas <sup>++</sup> ; Washington, St. Clair; 3S; 5-6W															
	Cypress, Mis	780	1961	x	0	x	x	0	0	0	S	25		Ord	2,810



TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone			Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test		
	Name and age	Depth (ft)	Year of dis- covery		During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth (ft)	
Waggoner*; Montgomery; 11N; 5W																
	Pottsville, Pen	523	1959	10	0	0	1	0	0	0	S	2	X	Sil	1,945	
Wamac E* <sup>††</sup> ; Marion; 1N; 1E																
	Petro, Pen	856	1958	90	0	x	9	0	0	0	S	x	M	Dev	3,405	
Waverly* <sup>††</sup> ; Morgan; 13N; 8W																
			1946	900	0	0	8	0	0	0			A	Ord	2,070	
	Pennsylvanian	250		160			1				S	13	AL			
	Devonian	1,000		700			6				L	10	A			
	Trenton, Ord	1,513	1963	40			1				L	x	X			
Westfield E*; Clark; 12N; 14W																
	Pennsylvanian	400	1947	60	0	0	3	0	0	0	S	11	ML	Mis	795	
Totals for Illinois (estimated)				36,090	1,556.4	26,679.1	766	11	7	34						

## Part II. Waterflood Operations

T. F. Lawry

### SUMMARY OF SECONDARY RECOVERY OPERATIONS

During 1976, 10 new waterfloods were reported. Information for these new projects is included in table 11 and is summarized in tables 10, 12, 13, and 14, along with current information for older waterfloods, active and abandoned. Among the new waterfloods, 6 were less than 2 years old; the remainder were older than 2 years, including 1 that was classified "adjacent to active waterflood."

There were 12 waterfloods abandoned during 1976, some of which were abandoned at an earlier date but were first reported during 1976. The waterflood project in Odin field, operated from 1949 to 1962, was reactivated in 1976.

Nineteen project numbers were dropped because data were combined under a single project number for 2 or more separate pay zones in the same project. There was no loss of data or lumping of data, but a rearrangement of data in pay order.

The 10 new waterflood projects brought 2,169 pay acres into the classification "acreage under waterflood." Correction and re-evaluation of the area of older waterfloods and extensions added 2,097 pay acres. Total pay acreage under waterflood is now 405,089 acres. Pressure maintenance area remains at 5,378 acres. Total pay area subject to secondary recovery is 410,467 acres or 52.4 percent of the total productive area in Illinois of 783,065 pay acres.

Secondary recovery oil was calculated to be 16,810,700 barrels in 1976. Waterfloods accounted for 16,607,900 barrels or 63.2 percent of the total oil production, 26,272,151 barrels; pressure maintenance projects yielded 202,800 barrels or 0.8 percent of the total oil production.

### EXPLANATION OF TABLES

Table 10, "Project Numbers by County and Summary of Waterflood Projects in 1975," lists the counties having waterflood activity, the range of county numbers, and includes the number and status of projects in each county.

Table 11, "Waterflood Operations in Illinois, 1976," is a summary of the data for each secondary recovery project, active and abandoned. Most of the data supplied by the operator are incorporated in this table. If no data are reported to the Illinois State Geological Survey for a project, an estimate of the information is made on the basis of past performance.

Table 12, "Illinois Waterfloods for 1976 by Counties," is a summary of waterflood data for each county. For those waterfloods that are located along county lines and extend into more than one county, the project is assigned to the county in which the larger areal portion is located. Data are tabulated as though the entire project were in that county.

Table 13, "Illinois Oil Fields Having Active Waterfloods During 1976," is a tabulation of statistics for those fields in which secondary recovery oil is being produced.

Table 14, "Summary of Waterflood Statistics 1949-1976," is a tabulation of waterflood data, compiled on an annual basis, for the past 28 years.

#### USE OF FRESH WATER

Based on answers in the partial return of the waterflood questionnaire about fresh water usage for waterflood operations, the volume of fresh water usage declined to approximately 20 to 23 million barrels in 1976. Except for some minor usage of water from Pennsylvanian sands, this fresh water is taken from the alluvial valley of the Wabash River or its tributaries.

#### TERTIARY RECOVERY

Marathon Oil Company and the Federal Energy Research and Development Administration entered into a contract on September 30, 1976, for a cost-sharing test of the micellar-polymer flooding process in Main Consolidated field, Crawford County. Marathon will manufacture the micellar material at its refinery in Robinson. The process will be applied in the Robinson sand (Pennsylvanian), at a depth of 750 to 1100 feet in a test area covering 407 acres. The es-

timated potential of tertiary crude oil is 2.5 million barrels. The spacing pattern presently contemplated consists of 250 acres of 2.5 acre five-spot patterns and 157 acres of 5.0 acres five-spot patterns. The project was completely developed at the time the contract was signed.

#### CONCLUSIONS

During 1976 there were 233 permits issued for injection of water into pay zones. If all of the work were completed for which permits were issued, 168 permits were for injection wells newly drilled or converted to injection in older waterfloods, 60 injection permits for apparently new, unreported waterfloods, 2 for reported waterfloods, and 3 for tertiary recovery.

The continued decline in percentage of oil produced by secondary recovery methods seems to be an indirect measure of the new oil being found by continued exploratory drilling in the state. Many waterfloods are still in operation beyond what would have been their economic limit in pre-1973. If no new oil were being found, the percentage of total oil representing waterflood production should have increased rather than decreased in 1976.

#### ABBREVIATIONS

The following abbreviations have been used in tables 10 through 14:

abd - abandoned	incl - includes, including, included
adj - adjusted	inj - injection
coop - cooperates, cooperating	op - operator
cum - cumulative	prev - previous
disc - discontinued	prim - primary
est - estimate, estimated	prod - production
excl - excludes, excluding, excluded	temp - temporary, temporarily
form - formerly	

TABLE 10. Project numbers by county and summary of waterflood projects in 1976

Range of county numbers	County	Active water-floods	Active pressure maintenance	Abandoned	Total
001 - 007	Bond	4	0	3	7
100 - 106	Christian	7	0	0	7
200 - 231	Clark	8	0	20	28
300 - 383	Clay	44	0	40	84
400 - 420	Clinton	14	1	6	21
500 - 523	Coles	11	0	13	24
589 - 698	Crawford	60	0	47	107
700 - 708	Cumberland	5	0	3	8
800 - 802	Douglas	0	0	3	3
900 - 906	Edgar	5	0	0	5
1000 - 1040	Edwards	21	1	16	38
1100 - 1121	Effingham	18	0	4	22
1200 - 1255	Fayette	47	0	8	55
1300 - 1344	Franklin	28	0	15	43
1400 - 1453	Gallatin	28	0	26	54
1500 - 1578	Hamilton	27	0	48	75
1900 - 1927	Jasper	13	0	15	28
2000 - 2029	Jefferson	15	1	13	29
2200 - 2293	Lawrence	92	0	27	119
2300 -	Macon	0	0	1	1
2400 -	Macoupin	1	0	0	1
2500 - 2509	Madison	7	0	3	10
2600 - 2640	Marion	28	0	11	39
2900 -	Montgomery	0	0	1	1
3100 - 3101	Perry	2	0	0	2
3400 - 3447	Richland	24	0	24	48
3600 - 3627	Saline	16	0	11	27
3800 - 3802	Shelby	3	0	0	3
3849 - 3999	Wabash	81	0	60	141
4000 - 4023	Washington	22	0	2	24
4059 - 4199	Wayne	80	0	56	136
4200 - 4442	White	141	0	100	241
4501 - 4505	Williamson	5	0	0	5
	Totals	857	3	576	1,436

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
AB LAKE W, GALLATIN											
*1417 COY OIL CO		AB LAKE WEST UNIT		WALTERSBURG	30,31-AS-10E		1091		184*		526*
*1421 COY OIL CO		AB LAKE WEST UNIT		AUX VASES	30,31-AS-10E		219		*		*
*1452 PAUL S, KNIGHT		GOLDEN-CONN		WALTERSBURG	29,31,32-8S-10E		400*		70*		400*
AOEN C, HAMILTON, WAYNE											
4158 FAIRFIELD OIL CO		SW FAIRFIELD UNIT		AUX VASES	22-2S-7E	B	1610	1,2	134	8	764
4181 LOEB & MITCHELL		NORTH AOEN UNIT		AUX VASES	2A,32,33-2S-7E1	460**	15620**	22,6**	1436**	460**	23574**
				MCCLOSKEY	4,5-3S-7F		18860**				
*4101 TEXACO, INC.		AOEN SOUTH		AUX VASES	8,9,16,17,20-3S-7E		6138		1050		8418*
*4102 TEXACO, INC.		AOEN SOUTH		MCCLOSKEY	8,9,16,17,20-3S-7E		6506		660		*
AOEN S, HAMILTON											
*1521 H. WEINERT EST.		SOUTH AOEN UNIT		AUX VASES	29,30-3S-7E		2477		17*		
				SPAR MTN							
				MCCLOSKEY							
AKIN, FRANKLIN											
*1310 C. E. BREHM		LARIO TRUSTEE A U		AUX VASES	36-6S-4E		109		*		
1311 C. E. BREHM		AKIN SE U		AUX VASES	25-6S-4E	75	2341	1,7	257		
1317 C. E. BREHM		U S COAL & COKE		CYPRESS	23-6S-4E	13	129		42	13*	320*
1321 C. E. BREHM		U S STEEL		AUX VASES	26-6S-4E	25	589	3,2	133	20*	285*
1327 FARRAR OIL CO.		AKIN UNIT		AUX VASES	35-6S-4E	10*	340**	2,3*	66*	10*	128**
ALBION C, EDWARDS, WHITE											
1001 ACME CASING		SOUTH ALBION U BIEHL		BIEHL	1,2-3S-10E	80*	3395*	7,3*	506*	80*	2309*
*1011 ACME CASING		S ALBION L BIEHL U		BIEHL	1-3S-10E135,36-2S-10E		3226		704		2367
1002 NICK BABARE		H,WICK		BRIDGEPORT	24-2S-10E	140*	2625*	7,0*	146*	140*	2012*
				WALTERSBURG							
				OHARA							
*4201 CONCHO PET. CO.		NORTH CROSSVILLE UNIT		CYPRESS	27,34,35-3S-10E		3620		313		1270
*4202 CONCHO PET. CO.		N CROSSVILLE U		TAR SPRINGS	34,35-3S-10E		666		58		69
*1014 CONTINENTAL OIL		STAFFORD		MCCLOSKEY	13-2S-10E		625		43		637
*1038 DELTA OIL CORP.		HORTON-WORKS		MCCLOSKEY	13-2S-10E		2000*		126**		2050*
*1015 FIRST NATL PET		BROWN		AUX VASES	6-2S-11E						
1006 GETTY OIL CO		SW ALBION BIEHL SO U		BIEHL	2,11,14-3S-10E	460	21022	21,1	1685	392	11015
1026 J&H OIL CO		MAXWELL-MOSSBARGER		BETHEL	15-3S-10E	75*	434*	3,7*	34*	75*	434*
4200 MOBIL OIL CORP.		BIEHL U 1		BIEHL	22,23-3S-10E	229	9080	4,6	1346	70	3842
4308 MOBIL OIL CORP.		W GRAYVILLE U		BETHEL	23-3S-10E	232	2704	10,5	401	74	829
				AUX VASES							
1005 BERNARD POOLSKY		ALBION E U		AUX VASES	1-2S-10E16-2S-11E	160	1936	5,7	149	98	1024
1035 HK PET. CORP.		RK EAST ALBION UNIT		AUX VASES	6-2S-11E, 1-2S-10E	144*	1602*	5,4*	105*	72*	293*
*1000 REBSTOCK OIL CO.		BIEHL U 2		BIEHL	14-3S-10E		4194		610		1215
*1018 REBSTOCK OIL CO.		EAST ALBION UNIT		AUX VASES	36-1S-10E, 31-1S-11E		1754		198		469
4321 J. W. RUOY ORLG.		ROBINSON		TAR SPRINGS	23-3S-10E	20*	184*	1,0*	12*	20*	138*
				BETHEL							
4434 J. W. RUOY ORLG.		GRIESBAUM		CYPRESS	26-3S-10E	48*	198*	4,6*	21*	55*	194*
				BETHEL							
				AUX VASES							
1012 SABER OIL CO		BUNTING LSE		OHARA	12-2S-10E	110*	1085*	7,2*	141**	110*	1085*
1033 SABER OIL CO		ALBION U		AUX VASES	12-2S-10E17,18-2S-11E	150*	2998	11,0*	341	150*	1046
				OHARA							
1037 SO, TRIANGLE CO.		SOUTH ALBION WF		BETHEL	24,25-2S-10E	250*	871*	13,4*	75*	250*	324*
1003 SUPERIOR OIL CO.		SOUTH ALBION SRPU 1		BIEHL	25,36-2S-10E	636	12251	12,2	1996	414	6349
				WALTERSBURG	30,31-2S-11E						
1004 SUPERIOR OIL CO.		SOUTH ALBION UNIT 2		MANSFIELD	1,2,11,12-3S-10E	350	3340	19,4*	2036*	566*	16897*
				BRIDGEPORT		302	8143				
				BIEHL		162	6448				
				WALTERSBURG			2305				
				AUX VASES			1328				
1032 SUPERIOR OIL CO.		WORKS UNIT		WALTERSBURG	18,19-2S-11E	46	695	3,5*	97*	32*	433*
				BETHEL			174				
				AUX VASES			39				
				MCCLOSKEY			122				
1036 SUPERIOR OIL CO.		WILLETT		WALTERSBURG	30-2S-11E	5	161	6,2	566	77	820
*1030 TEXACO, INC.		BARNES EAST		WALTERSBURG	24-2S-10E		544*		33		537
1039 TEXACO, INC.		G.WORKS		BETHEL	13-2S-10E	186	1331*	17,6	98*	186	1331*
				AUX VASES							
				MCCLOSKEY							
*4353 P. O. WALL		GRAYVILLE WEST U		CYPRESS	22-3S-10E		219*		61*		265*
1031 WARRIOR OIL CO.		E.ALBION WALT,SANO U.		WALTERSBURG	31-1S-14W, 6-2S-14W	265	5772	4,0	276	29	2545
ALBION EAST, EDWARDS											
1040 ZANETIS OIL PROP		ALBION EAST		CYPRESS	28-2S-14W	145*	710	47,8*	201	145*	670
				BETHEL							
				OHARA							
ALLENDALE, LAWRENCE, WABASH											
3969 ASHLAND O AND R		FRIENOSVILLE CORP		BIEHL	30-1N-12W	103	4702	3,1	313	103	4273
3902 BEULIGHANN ET AL		PRICE-ROBINSON		BIEHL	14-1N-12W	35*	407*	1,7*	34*	35*	368*
*3865 JOHN BLEESOE, JR		HOVERMALE		BETHEL	36-2N-12W		64*		2*		12*
*3971 T. W. GEORGE EST.		YOUNG WF		BETHEL	1-1N-12W		208*		*		*
*3990 H AND H OIL CO		BUCHANAN		CYPRESS	33-1N-12W		367		44		26
*3900 CECIL A. HAMMAN		GILLIATT-ALKA		BIEHL	13-1N-12W		2735		244		
*3869 ILLINOIS OIL CO.		FRENCH ET AL		BIEHL	32-2N-12W		39		10		5
3899 ILLINOIS OIL CO.		PRICE MEIRS		BRIDGEPORT	2-1N-12W	30*	218*	1,4*	15*	30*	181*
*3906 ILLINOIS OIL CO.		YOUNG		BIEHL	1-1N-12W		4547*		205**		1341**
3996 ILLINOIS OIL CO.		SPARKS-PETER UNIT		BIEHL	36-2N-12W	25*	1096*	1,7*	76*	25*	1133*
*3944 INO. FARM BUR.		WOODS 'C'		BIEHL	20-1N-12W		633		45		559
*3992 INO. FARM BUR.		KEYSER 'B'		BIEHL	13-1N-12W		303		20		*
*3898 JACK KENEIPP		HERSHEY-COGAN		BIEHL	35-2N-12W		9*				
				CYPRESS		20*	660*	1,4*	75**	20*	511**
3966 JACK KENEIPP		COGAN		BIEHL	35-2N-12W	25*	1057*	1,3*	199*	25*	1892*
				CYPRESS		20	269				
*3999 JACK KENEIPP		WALSER		TAR SPRINGS	2-1N-12W		26		5		6
*3952 L AND M ORILLING		STANLEY PRICE		BIEHL	19-1N-12W		687		167		348
3905 HERMAN LOEB		ALLENDALE(FLOOD 19)		BIEHL	3,4,9,10-1N-12W	550*	38059*	22,2*	2079*		



in Illinois, 1976

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:	Type:	
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed	
AB LAKE W, GALLATIN													
*1417	2025	17.0	16.3	20	36.9	07-59	06-64	6	9	180	SM GRAV, PENN SD (F)	*INCL 1421	
*1421	2750	10.0	16.3	27	37.1	07-59	06-64	1	2	30	SM GRAV, PENN SD (F)	*INCL WITH 1417	
*1452	2000	15.0				05-64	12-71	2	5	90	PRODUCED (B)	*ESTIMATED	
ADEN C, HAMILTON, WAYNE													
*158	3250	9.0	21.0	156	40.0	02-62		1	3	100	PENN SD, PROD (B)		
*181	3150	12.0			36.0	01-64		10	11	1000	PENN SD, PROD (B)	*EST; *INCL BOTH PAYS	
	3350	14.0			38.0	00 00		7	6	1000		*THRU 1975	
*4101	3200	10.0	22.0	150	37.0	08-46	03-66	12	12	640	PRODUCED (B)	*INCL 4102	
*4102	3350	3.6			37.0	08-46	03-66	11	5	640	PRODUCED (B)	*INCL WITH 4101	
ADEN S, HAMILTON													
*1521	3245	21.0				03-64	04-70	4	10	150	PENN SD, PROD (B)		
	3335	10.0						4	10	150			
	3390	8.0						2	2	80			
AKIN, FRANKLIN													
*1310	3100	20.0				02-60	12-62	2	5	120	CYPRESS (B)	*NO W.F.OIL RECOVERED	
*1311	3120	20.0	20.5	175	38.0	10-61		3	11	150	PENN SD, PROD (B)		
*1317	2840	15.0	13.0	90	34.0	05-62		2	6	80	PENN SD, PROD (B)	*ESTIMATED SINCE 1968	
*1321	3100	16.0			38.0	06-65		1	4	60	PENN SD, PROD (B)	*ESTIMATED	
*1327	3060	14.7			37.0	01-66		3	3	100	PENN SD, PROD (B)	*ESTIMATED; *8WD SINCE 1971	
ALBION C, EDWARDS, WHITE													
1001	2075	18.0	20.0	200	33.4	12-55		2	7	110	PRODUCED (B)	*ESTIMATED	
*1011	2080	9.2	16.8	384	32.3	04-51	01-72	2	7	120	PRODUCED (B)		
1002	1550	12.0				01-72		1	1	30	PRODUCED (B)	*ESTIMATED	
	2380	12.0				01-72		1	2	40			
	3150	10.0				07-51		1	4	80			
*4201	2850	12.0	18.0		37.0	10-52	12-58	8	21	250	RIVER, PROD (M)		
*4202	2460	6.0	18.0		37.0	10-52	12-58	4	5	100	RIVER, PROD (M)		
*1014	3222	4.0	16.3	898	39.0	05-43	12-56	1	7	80	PRODUCED (B)		
*1038	3110	10.0				01-57	01-74	1	6	70	PRODUCED (B)	*EST *INCL PRIM SINCE 1-57	
*1015	3005	21.0				04-52	07-55	1	1	30	HAROLDSBURG (B)		
1006	1850	16.2	18.0	150	32.2	01-55		11	8	403	GRAVEL, PROD (M)		
1026	2980	8.0				06-62		1	1	30	PRODUCED (B)	*EST; OP SUSPENDED 1970-72	
4200	1900	21.2	20.2	265	38.0	06-48		3	5	170	RIVER, PROD (M)		
4308	2930	19.0				02-68		5	11	160	SHALLOW SD, PROD (M)		
	3160	18.0						4	10	160			
1005	3050	25.0	15.0	25	41.0	03-68		4	5	90	PURCHASED (F)		
1035	3010	18.3				10-66		4	3	70	CITY WATER (F)	*ESTIMATED 1976	
*1000	1900	30.0	19.3	303	35.8	09-50	01-72	2	5	50	RIVER, PROD (M)		
*1018	3000	14.3	18.0	13	37.5	11-59	12-67	6	5	340	PENN SD, PROD (B)		
4321	2434	10.0			33.0	06-69		1	1	40	PRODUCED (B)	*ESTIMATED 1976	
	2932	10.0				11-69		1	2	30			
4434	2770	15.0				11-71		1	1	20	PRODUCED (B)	*1976 DATA ESTIMATED	
	2950	15.0						2	4	60			
	3060	18.0						1	1	20			
1012	3230	8.0				11-66		1	1	30		*EST *INCL PRIM PROD	
1033	3025	15.0	17.3	35	39.0	02-66		7	10	200	PENN SD, PROD (B)	*ESTIMATED	
	3060	13.0						3	9	120			
1037	3000	8.0	15.0	13	36.0	02-72		4	4	100	PENN SAND (B)	*ESTIMATED	
1003	2025	12.3	18.5	807	36.0	01-55		4	9	222	SM SD, PROD (M)		
	2400	7.1	18.6	74	36.0			2	5	325			
1004	1630	10.0	20.6	53	37.0	01-67		2	5	90	GRAVEL BED, PROD (M)	*INCL ALL PAYS	
	1870	12.2	20.2			08-56		2	3	257			
	2050	15.8	18.2	338		08-56		1	1	80			
	2400		19.2			06-60	01-72	2	4	60			
	3050		20.6			08-56	01-67	7	8	170			
1032	2356	6.0	19.0	480	34.0	12-65		1	3	70	SM SD (F)	*INCL ALL PAYS	
	2919	6.0	14.6	10				1	3	100			
	3040	5.0	15.8	53				3	2	50			
	3068	8.0	14.2	3003				1	9	200	PRODUCED (B)		
1036	2400	8.5	19.2	209	38.0	10-65		1	3	40	SM SD (F)		
*1030	2370	20.0			39.0	11-63	12-66	1	4	40	PRODUCED (B)	*3WD ONLY	
1039	2970	8.0	13.0	22		11-69		1	1	30	PRODUCED (B)	*ESTIMATED	
	3041	18.0	16.7	153				1	2	40			
	3110	33.0	15.0	205				1	1	30			
*4353	2850	12.0	17.0	50	38.0	05-62	01-71	4	5	225	BIEM, PROD (B)	*ESTIMATED SINCE 1968	
1031	2250	11.2	20.6	167	36.0	10-65		3	6	88	GRAV, PROD (M)		
ALBION EAST, EDWARDS													
1040	2770	15.0				09-72		1	2	40	PENN SAND, PROD (M)	*ESTIMATED 1976	
	2890	10.0						3	8	160			
	3070	8.0						2	8	220			
ALLENDALE, LAWRENCE, WABASH													
3969	1600	15.0	14.2	335	33.0	10-60		1	2	90	PRODUCED (B)		
3902	1472	10.0	17.0		35.0	12-65		1	1	10	SM SD, PROD (M)	*ESTIMATED 1976	
*3865	1948	30.0	18.7	77	36.4	02-65	01-72	1	1	20	SM SD, PROD (M)	*NO DATA 1966-69/INACTIVE 70-71	
*3971	2020	15.0				01-58	08-63	2	2	40	GRAVEL BED (F)	*ESTIMATED; *INCL WITH 3906	
*3990	2000	20.0	16.0	128	39.0	11-59	09-68	1	1	40	GRAVEL BED, PROD (M)		
*3900	1485	15.0	24.6	1066	32.5	11-54	09-68	5	3	35	SM SD, PROD (M)		
*3869	1575	8.0	17.0	40	36.0	05-65	01-70	1	1	10	SM SD (F)		
3899	1120	8.0	15.0	150	34.0	11-70		1	1	20	WELL (F)	*ESTIMATED	
*3906	1375	15.0	17.0	150	36.0	01-58	1-75	8	10	120	SM SD, PROD (M)	*ESTIMATED; *INCL 3971	
3996	1375	15.0	16.0	200	37.0	10-62		3	3	50	SM SD, PROD (M)	*ESTIMATED	
*3944	1520	15.0			28.4	11-53	06-57	5	7	147	PRODUCED (B)		
*3992	1450	9.0			37.0	07-59	10-66	1	2	60	SM SD, PROD (M)	*INCL WITH 3964	
*3898	1388	12.0				10-61	03-63	1	1	10	SM SD, PROD (M)	*ESTIMATED; *INCL BOTH PAYS	
	1920	18.0				07-62		1	1	20			
3966	1380	18.0	18.0			06-60		2	3	18	SM SD, PROD (M)	*INCL JORDAN; *INCL ALL PAYS	
	1920	10.0				09-61		2	4	18			
*3999	1553	11.0				07-62	10-64	1	1	20	SM SD, PROD (M)		
*3952	1520	20.0	18.0	450	33.0	11-54	01-60	1	3	40	SM WELL (F)		
3905	1465	15.0	17.7	390	35.7	06-55		21	18	307	GRAVEL BED (F)	*ESTIMATED	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
ALLENDALE, LAWRENCE, WABASH CONTINUED											
3905	HERMAN LOEB		JORDAN								
3871	O. LOEFFLER ESTATE, FRIENOSVILLE EAST U.		RIEHL	18,19-1N-12W#1 13,24-1N-13W 16-1N-12W	280*	1499*	11,2*	372*	280*	1048*	
3883	O. LOEFFLER ESTATE, G.O. ADAMS COOP		CYPRESS		100*	594*	3,5*	65*	100*	432*	
			BETHEL								
3901	O. LOEFFLER ESTATE, CLARK, BARTH, PINNICK		TAR SPRINGS	25,36-2N-12W	30*	233*	1,6*	20*	30*	118*	
3951	O. LOEFFLER ESTATE, ALLENDALE WEST U		RIEHL	8-1N-12W	25*	264*	1,3*	526*	25*	3494*	
3909	R & G CORP., ALLENDALE U		RIEHL	3-1N-12W	*	5273	1,5*	284*		4204	
			JORDAN								
3911	C.A. ROBINSON	MADDEN	RIEHL	6,7-1N-11W		588**		14**		300**	
*3964	ROYALCO, INC.	ALLENDALE U	BETHEL	13-1N-12W		4764		313		1544*	
*3993	ROYALCO, INC.	STILLWELL COURTER U	WALTERSBURG	21,22-1N-12W		1625		341		653	
			CYPRESS								
*3920	C. E. SKILES	YELTON-KERZAN	RIEHL	5-1N-12W		*		53		73	
2231	WAYNE SMITH, OP.	SAND BARREN UNIT 1	RIEHL	26-2N-12W	18	3691	1,6	390	17	3301	
			JORDAN								
2232	WAYNE SMITH, OP.	SAND BARREN UNIT 2	RIEHL	23,26-2N-12W	23	751	9,0	174	14	310	
*3903	WAYNE SMITH, OP.	TAYLOR-WHEATLEY	RIEHL	7,18-1N-12W		1124		217		909	
			JORDAN								
*3908	WAYNE SMITH, OP.	SHAW-SMITH-NIGH	RIEHL	35-2N-12W		1586		120		1466	
			JORDAN								
3859	SO. TRIANGLE CO.	STOLTZ U	RIEHL	25-1N-12W	90*	523*	4,6*	83*	90*	340*	
*3904	TAMARACK PET.	PATTON C	CYPRESS	28-1N-12W		644*		90*		147*	
*2201	TRIPLE B OIL CO	HERSHEY U	BETHEL	27,34,35-2N-12W		1325*		94*		537*	
3864	UNIVERSAL OPRNG	LITHERLAND-SMITH UNIT	RIEHL	5-1N-12W	71	1586	3,1	130		130	
*3973	UNIVERSAL OPRNG	SOUTH ALLENDALE	RIEHL	15-1N-12W		845		38*		247*	
3860	ZANETIS OIL PROP	HAWF	CYPRESS	15-1N-12W	14*	141	2,1*	24	14*	141	
ASHLEY, WASHINGTON											
4023	N. A. BALDRIDGE	ASHLEY	BENOIST	32,33-2S-1W	190*	3670*	9,8*	240*	190*	3670*	
ASHLEY E, WASHINGTON											
4022	N. A. BALDRIDGE	ASHLEY EAST	BENOIST	25,26-2S-1W	75*	775*	4,9*	50*	75*	775*	
ASSUMPTION C, CHRISTIAN											
100	CONTINENTAL OIL	BENOIST	BENOIST	3,4,9,10-13N-1E	83	8152	8,3	1448	70	3348	
101	CONTINENTAL OIL	DEVONIAN	LINGLE	3,4,9,10,15,16-13N-1E	683	22237	27,8	2038	406	8200	
102	CONTINENTAL OIL	WOSICLARE	SPAR MTN	9,10-13N-1E	152	4909	4,7	1094	164	4690	
104	FEAR AND DUNCAN	ASSUMPTION WFL	LINGLE	17,20-13N-1E	144*	1484*	8,8*	135*	144*	1206*	
105	J. W. RUOY DRUG.	PEARODY-RIDGE	LINGLE	16-13N-1E	60*	1268*	9,2*	150*	48*	729*	
BARNHILL, WAYNE, WHITE											
*4103	ASHLAND O AND R	BARNHILL U	MCCLOSKEY	26,34,35-2S-8E		9137		1235			
4170	BERNARD POODLSKY	BOZE UNIT	AUX VASES	27,28,34-2S-8E	*	851*	1,5	128	12	775	
4171	BERNARD POODLSKY	CALOWELL UNIT	AUX VASES	34-2S-8E	*	1883*	0,8	93	2	1053	
*4199	SAM TIPPS	BOZE U	AUX VASES	28,33,34-2S-8E		319		38			
*4129	WAYNE DEV	WALTER	MCCLOSKEY	26-2S-8E		144		21*		119	
*4104	WILLETS AND PAUL	BARNHILL UNIT	AUX VASES	27,28-2S-8E	4090			491		1860	
*4105	WILLETS AND PAUL	BARNHILL UNIT	OHARA	27-2S-8E		53		7		2	
BARTELSON, CLINTON											
402	ED KAPES	H.S. WOODWARD, TRUSTEE	CYPRESS	5,8-1N-3W	65*	2616*	3,8*	371*	65*	2865*	
* 400	T. R. KERWIN	BELLE OIL	CYPRESS	4-1N-3W		978		135*		187	
* 401	HOBBS OIL CO.	ROBBEN OIL UNIT	CYPRESS	4-1N-3W		3100		639*		1621	
BEAUCOUP, WASHINGTON											
4013	WARRIOR OIL CO.	BEAUCOUP UNIT	CLEAR CREEK	9,10-2S-2W	18	1173	1,0	15	18	650	
BEAUCOUP S, WASHINGTON											
4005	SHELL OIL CO.	BEAUCOUP S, UNIT	BENOIST	33,34-2S-2W	624	9164	12,4	414	399	7594	
4008	GEORGE THOMPSON	GILBERT	BENOIST	34-2S-2W	10*	147*	0,5**	40**	10*	147*	
BEAVER CREEK, BOND, CLINTON											
* 1	T. M. CONREY, JR	WRONE C	BENOIST	36-4N-3W		106		23			
2	W. C. MCBRIE	JACOBS	BENOIST	31-4N-2W	17	290	1,2	16	17	279	
BEAVER CREEK S, BOND, CLINTON											
415	NICK BABARE	HORO	BENOIST	5-3N-2W	+	+	0,8*	19*			
405	T. M. CONREY, JR	R-K-R-S	BENOIST	12,13,14-3N-3W	150*	2077*	9,6*	271*	150*	2031*	
BELLAIR, CRAWFORD, JASPER											
600	BELLAIR OIL	BELLAIR	PENNSYLVNIN	2,11,12-6N-14W	220*	31813*	6,8*	893*	220*	7495**	
601	BELLAIR OIL	FULTON (BELLAIR)	PENNSYLVNIN	1,2,11,12-8N-14W	375*	61620*	22,0*	1602*	375*	33902*	
* 666	HAUSAU PET. CORP	GRANT	CYPRESS	13-8N-14W		1343		161		380	
BELLE PRAIRIE, HAMILTON											
1577	FAIRWAY PETROLEUM	MOLMBACH, LEACH, BONA	MCCLOSKEY	1,2-4S-6E	60*	960*	3,7**	64**	60*	960*	
BEMAN, LAWRENCE											
*2248	E. L. WHITHER	DECATUR INVESTMENT	STE GEN	23,24-3N-11W		683		40		400	
2287	ZANETTS OIL PROP	ALEXANDER	STE GEN	23-3N-11W	70*	443*	7,4*	22*	70*	411*	
BENTON, FRANKLIN											
1300	SHELL OIL CO.	BENTON U	TAR SPRINGS	23,24,25,26,35,36-6S-2E 18,30,31-6S-3E	1258	219302	32,3	19518	1049	161979	
1314	SHELL OIL CO.	SHELL-BENTON DEEP	AUX VASES	25,36-6S-2E	288	9004	16,0	1616	216	4967	
			OHARA								
			MCCLOSKEY								
BENTON N, FRANKLIN											
*1328	FARRAR OIL CO.	BENTON NORTH UNIT	BETHEL	25,35,36-5S-2E		3458		740		1855	
			AUX VASES								
			OHARA								
			MCCLOSKEY								
1332	M & W OIL CO	BENTON NORTH	PAINT CREEK	36-5S-2E	55*	1206*	2,6*	111*	55*	665*	

in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
ALLENDALE, LAWRENCE, WABASH CONTINUED												
3905	1495	13.0	14.9	100								
3871	1520	20.0	15.0	200	35.0	06-64		3	8	100	SH SO (F)	*ESTIMATED
3883	1996	10.0			37.0	05-64		1	3	40	SH SO, PROD (M)	*ESTIMATED
	2110	10.0						1	3	40		
3901	1500	10.0	16.0	40	33.0	08-66		1	2	30	SH WELL (F)	*ESTIMATED
3951	1500	20.0	17.8	450	35.0	03-58		4	3	80	SH SO, PROD (M)	*ESTIMATED
3909	1500	18.0	15.0	1400	34.0	09-53		*	3	40	TAR SPGS, PROD (B)	*INJ IN LINE WELLS +EST
	1538	14.0										
3911	1450	20.0	18.0			10-66		3	6	153	SH SO (F)	*EST, +OP, SUSP, 1970, NO OAT
*3964	2120	20.0	20.1	115	36.5	07-59	12-69	10	14	180	PRODUCED (B)	*INCL 3992
*3993	1500	11.0	18.6	45	33.4	01-62	11-68	1	1	30	RIVER, PROD (M)	
	2000	10.0			36.9			5	10	180		
*3920	1600	15.0	18.0		35.5	06-66	12-70	*	2	20		*ADJ TO ACTIVE WF
2231	1300	18.0			34.0	09-57		10	7	75	SURFACE, PROD (M)	
	1340	8.0										
2232	1280	20.0			33.0	06-58		3	10	65	SURFACE, PROD (M)	
*3903	1400	15.0				06-57	12-66	4	6	50	RIVER GRAV, PROD (M)	
	1440	8.0										
*3908	1380	15.0			34.0	09-57	01-72	2	6	45	SURFACE, PROD (M)	
	1420	8.0										
3859	1450	10.0	17.0	150	32.5	01-69		2	2	60	SH GRAVEL (F)	*ESTIMATED
*3904	1800	16.0			34.8	01-54	12-60	4	7	130	RIVER GRAV, PROD (M)	*ESTIMATED
*2201	2010	12.0			37.0	01-67	07-74	7	8	150	PENN SO, PROD (B)	*ESTIMATED SINCE 1968
3868	1500	15.0			37.0	04-65		2	4	60	PENN SO, PROD (B)	
*3973	1480	13.0	15.0	160	32.9	03-61	09-67	6	3	60	SH SO, PROD (M)	*INCL PRIM PROD SINCE 1961
												*EST FOR 1964-66
3860	2039	7.0			36.2	06-68		2	2	30	PRODUCED (B)	*ESTIMATED 1976
ASHLEY, WASHINGTON												
4023	1440	7.0				11-56		4	14	180	PRODUCED (B)	*ESTIMATED
ASHLEY E, WASHINGTON												
4022	1650	8.0				07-69		2	4	60	PRODUCED (B)	*ESTIMATED
ASSUMPTION C, CHRISTIAN												
100	1050	13.0	19.0	100	38.0	07-50		3	8	350	PRODUCED (B)	
101	2300	13.0	12.0	50	40.0	05-55		14	22	600	PRODUCED (B)	
102	1150	12.0	22.0	561	39.3	06-55		2	3	240	PRODUCED (B)	
104	2329	20.0			40.0	06-66		2	8	200	PRODUCED (B)	*ESTIMATED
105	2290	15.0			42.3	11-67		6	8	280	PRODUCED (B)	*1976 DATA ESTIMATED
BARNHILL, WAYNE, WHITE												
*4103	3350	9.0			39.0	01-51	03-63	10	22	260	CYPRESS (B)	
4170	3300	14.0			38.2	10-63		4	4	120	PENN SO (B)	*TEMP SHUT-DOWN 3-Y2
4171	3560	15.0			36.9	10-63		5	4	140	PENN SO (B)	*INJ, CURTAILED 10-Y3
*4199	3328	25.0				11-63	12-70	2	4	70	PENN SO, PROD (B)	
*4129	3450	18.0				12-50	01-55	1	2	40	CYPRESS (B)	*INCL PRIM PROD
*4104	3250	14.0	18.7	42	38.0	10-56	12-66	12	10	230	PENN SO, PROD (B)	
*4105	3323	8.0	20.1	106	39.0	10-56	12-59	2	6	40	PENN SO, PROD (B)	
BARTELSON, CLINTON												
402	970	18.0	21.0	210	38.0	01-54		5	3	80	PRODUCED (B)	*ESTIMATED
* 400	970	15.0	22.2	185	37.0	04-52	01-63*	5	5	40	TAR SPRINGS (B)	*ESTIMATED
* 401	980	12.0	20.0	110	36.9	11-53	01-63*	12	19	200	BETHEL, PROD (B)	*ESTIMATED
BEAUCOUP, WASHINGTON												
4013	3046	5.2	12.0	115	38.0	10-70		3	2	280	PENN SO (M)	
BEAUCOUP S, WASHINGTON												
4005	1440	6.0	19.0	240	36.0	11-60		7	10	230	PENN SO, PROD (B)	
4008	1445	6.0	17.5	111	36.0	01-55		1	1	27	PRODUCED (B)	*EST, +INCL PRIM PROD
BEAVER CREEK, BONO, CLINTON												
* 1	1140	8.0	20.7	208	37.4	07-53	12-61	1	4	40	PROD (B)	
2	1100	10.0	20.0	110		06-68		1	1	20	PRODUCED (B)	
BEAVER CREEK S, BONO, CLINTON												
415	1180	12.0			33.0	08-69		1	4	40	CYPRESS, PENN (B)	*ESTIMATED; +DUMP FLOOD
405	1110	8.0			34.0	01-56		3	11	140	PRODUCED (B)	*ESTIMATED
BELLAIR, CRAWFORD, JASPER												
600	600	38.0	17.1	148	31.0	07-48		56	50	204	SH SO, PROD (M)	*ESTIMATED +SINCE 1-64
601	560	21.0	19.0	149	32.0	07-48		35	69	443	GRAV, PROD (M)	*ESTIMATED
* 666	950	16.0	17.2	125	39.0	02-53	02-61	15	11	70	PENN SO, PROD (M)	
BELLE PRAIRIE, HAMILTON												
1577	3400	7.0				03-68		1	3	80	PRODUCED (B)	*EST, +INCL PRIM PROD SINCE 1968
BEMAN, LAWRENCE												
*2248	1850	10.0				09-63	10-67	4	7	200	PRODUCED (B)	
2287	1850	5.0				10-68		2	2	80	PRODUCED (B)	*ESTIMATED
BENTON, FRANKLIN												
1300	2100	35.0	19.0	165	37.5	11-49		88	33	2200	LAKE, PROD (M)	
1314	2760	17.0	18.2		39.0	05-62		9	7	550	CYPRESS, PROD (M)	
	2810	7.0						5	7	320		
	2890	12.0						3	6	320		
BENTON M, FRANKLIN												
*1328	2550	8.0				02-66	04-71	6	9	140	OEGONIA, PROD (B)	
	2660	12.0						6	9	140		
	2730	5.0						4	4	90		
	2800	8.0						3	4	140		
1332	2550	12.0			39.6	06-69		4	4	100	PRODUCED (B)	*ESTIMATED



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976 12-31-76
BENTON N, FRANKLIN CONTINUED										
1326 SHAKESPEARE OIL		NORTH BENTON UNIT	PAINT CREEK 1-6S-2E			*	3653*	1,3	465	18 1436
			OHARA							
			SPAR MTN							
BERRYVILLE C, EDWARDS, WABASH										
*3942 PHILLIPS PET. CO		TARPLEY C	MCCLOSKEY	2-1N-14W			35			103
*3943 PHILLIPS PET. CO		TOWNSEND	MCCLOSKEY	35-2N-14W			50			86
1024 RK PET. CORP.		W SALEM WFU	SPAR MTN	9-1N-14W		220*	1457*	8,0*	395*	180* 641*
BLACKLAND, CHRISTIAN, MACON										
*2300 FEAR AND DUNCAN		OHAREY C	SILURIAN	5-15N-1E			6			4
BONE GAP C, EDWARDS										
*1013 R. G. CANTRELL		BONE GAP UNIT	WALTERSBURG	18-1S-14W		125*	2703*	6,8*	570*	125* 2703*
1034 BERNARD PODOLSKY		BONE GAP SOUTH U	CYPRESS	19-1S-14W		34	414	4,7	21	34 96
BOULOER, CLINTON										
* 411 TEXACO, INC.		BOULOER BENDIST SO U	BENDIST	2-2N-2W, 35, 36-3N-2W			9234		681	4368
BOURBON C, DOUGLAS										
* 800 T. J. LOGUE		BOURBON POOL WF	SPAR MTN	2, 11, 12-15N-7E			6000*		500*	
BOYD, JEFFERSON										
2000 N. A. BALDRIDGE		BOYO FIELD UNIT	AUX VASES	18, 19, 20, 29, 30-1S-2E, 13, 24, 25-1S-1E		120+	18628+	*	*	* *
2001 N. A. BALDRIDGE		BOYO FIELD UNIT	BENDIST	18, 19, 25, 30-1S-2E, 13, 24, 25-1S-1E		180+	57999+	10,0**	4311**	300** 46629**
BROWN, MARION										
2615 DONALD G. GEARY		LEONARD-LANCASTER	CYPRESS	16-1N-1E		22*	498*	2,6*	39*	11* 440*
BROWNS, EDWARDS, WABASH										
3850 ROYALCO, INC.		SCHONAMAN WF	OHARA	3, 10-2S-14W		62*	566*	21,3*	200*	30* 121*
1021 SUPERIOR OIL CO.		BROWNS U CYP-RE7HEL	CYPRESS	28, 33-1S-14W		8	2553	2,1	424	4 733
3894 TARTAN OIL CO.		BROWNS U	BETHEL			*	1141*			
			TAR SPRINGS	33-1S-14W		110*	1162*	5,6*	69*	110* 781*
			CYPRESS							
BROWNS E, WABASH										
*3912 T. W. GEORGE EST.		BELLMONT WF ASSOC	CYPRESS	1, 2, 11, 12-2S-14W			3009		905*	1122
*3914 T. W. GEORGE EST.		SOUTH BELLMONT	CYPRESS	11, 14-2S-14W			276		18	22
3950 T. W. GEORGE EST.		MORRIS-BELLMONT	CYPRESS	11-2S-14W		80	928	0,7	2	293
*3913 MOBIL OIL CORP.		BELLMONT	CYPRESS	2, 11-2S-14W			822*		582	268
BUNGAY C, HAMILTON										
*1594 BEN BLADES		HAYES	AUX VASES	15-4S-7E			488		41	180
1574 C. E. BREHM		BUNGAY	AUX VASES	15, 16-4S-7E		50*	6140*	5,2*	692*	50* 6140*
1550 COLLINS BROS.		SOUTH BUNGAY UNIT	RENAULT	34, 35-4S-7E		300*	4909*	9,3*	325*	300* 3243*
1558 COLLINS BROS.		NORTH BUNGAY	RENAULT	13, 14, 23, 24-4S-7E		150*	5805*	5,8*	502*	150* 3248*
1972 COLLINS BROS.		ODELL	AUX VASES							
1576 WALTER DUNCAN		WALKER	AUX VASES	17-4S-7E		140*	1160*	11,3**	135**	140* 1160*
1555 EXXON		BUNGAY A V UNIT	AUX VASES	16-4S-7E		30*	1260*	1,6*	92*	30* 1260*
1527 FEAR AND DUNCAN		O'DELL	AUX VASES	14-4S-7E		8	1167	3,7	370	21 356
*1519 MID-STATES OIL PROP		BUNGAY U WF	RENAULT	16-4S-7E		90*	720*	8,2*	137*	90* 692*
*1522 R. REBER		BUNGAY 1-A	AUX VASES	21-4S-7E			710*		74*	198*
*1500 TEXACO, INC.		BLAIRSVILLE U	AUX VASES	26, 27, 34, 35-4S-7E			11011		857	8487
*1530 TEXACO, INC.		J.A. LYNCH	AUX VASES	16, 17, 20, 21-4S-7E			7692		699	2457
			AUX VASES	16-4S-7E			1921		75	707
CALHOUN C, RICHLAND, WAYNE										
*3400 ASHLAND O AND R		CALHOUN	MCCLOSKEY	7, 18-2N-10E, 13-2N-9E			3032		157	
*3401 SAM TIPPS		BOHLANDER UNIT	MCCLOSKEY	6, 7-2N-10E			2175*		235*	1681*
*3447 UNION OIL CALIF.		CALHOUN	MCCLOSKEY	12, 13, 24-2N-9E			6000*		405*	6000*
CALHOUN E, RICHLAND										
*3423 ALVA C. DAVIS		SLUNAKER	MCCLOSKEY	7-2S-11E			93*		1*	4*
CALHOUN S, EDWARDS, RICHLAND, WAYNE										
4086 ZANETIS OIL PROP		RUTGER	MCCLOSKEY	1, 2-1N-9E		50*	562*	10,0*	143*	50* 262*
CARLYLE N, CLINTON										
407 T. M. CONREY, JR		KREITEMEYER	BENDIST	23-3N-3W		60*	938*	3,5	91*	60* 361*
CARM, WHITE										
4402 ROYAL O AND G		NIEKAMP	MCCLOSKEY	26-5S-9E		25*	270*	2,5*	76*	25* 174*
CASEY, CLARK										
* 217 CALVAN AMERICAN		SHAWVER	CASEY	23, 24-10N-14W			49			
* 201 FOREST OIL CO.		CASEY	CASEY	14, 15, 23-10N-14W			8030		462	
* 202 O. W. FRANCOIS		N. CASEY	CASEY	33, 34-11N-14W			3032		38	
				4, 5-10N-14W						
CENTERVILLE, WHITE										
4409 A88HER OIL CO		BROWN UNIT	OHARA	2-4S-9E		10*	402*	0,5*	12*	10* 140*
*4267 O. B. LESH		CENTERVILLE E	SPAR MTN	12-4S-9E					4*	4
CENTERVILLE E, WHITE										
4203 A88HER OIL CO		E. CENTERVILLE UNIT	TAR SPRINGS	18-4S-10E		200**	9958**	8,4**	1011**	200** 7925**
			CYPRESS							
			BETHEL							
			AUX VASES							
4379 A88HER OIL CO		EAST CENTERVILLE UNIT	TAR SPRINGS	7, 8, 17-4S-10E		600**	24250**	36,9**	2211**	600** 17425**
			MARIONSBURG							
			CYPRESS							
			BETHEL							
			AUX VASES							
			MCCLOSKEY							

in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
								Inj.	Prod.				
BENTON N, FRANKLIN CONTINUED													
1326	2590	9.2	15.0	22	36.0	12-66		5	13	180	PENN SD (B)		*INJ, CURTAILED 3-75
	2755	6.0	12.0					1	3	80			
	2800	6.0						1	1	40			
BERRYVILLE C, EDWARDS, WABASH													
*3942	2590	10.0				09-52	01-53	1	2	14	TAR SPGS, PROD (B)		
*3943	2590	10.0				02-52	06-53	1	2	27	TAR SPGS, PROD (B)		
1024	2990	10.0				01-70		2	2	200	SUPPLY WELL (M)		*1976 DATA ESTIMATED
BLACKLAND, CHRISTIAN, MACON													
*2300	1920	10.0			37.0	10-63	12-63	1	2	80	AUX VASES (B)		
BONE GAP C, EDWARDS													
*1013	2310	20.0	18.0	120	34.6	06-52		1	10	120	PRODUCED (B)		*ESTIMATED
1034	2320	10.0	17.3			02-66		1	2	100	PRODUCED (B)		
BOULDER, CLINTON													
*411	1200	25.0	17.9	104	34.6	09-60	10-64	25	17	470	PROD (B)		
BOURBON C, DOUGLAS													
*800	1600	12.0			34.0	09-59	11-66	1A*	30*	800*	PRODUCED (B)		*DATA WERE ESTIMATED
BOYO, JEFFERSON													
2000	2130	11.9	21.4	24	36.8	03-55		5	10	569	PRODUCED (B)		*INCL WITH 2001 *EST
2001	2065	17.3	17.5	173	39.5	06-55		2	8	1564	SH SD, PROD (M)		*INCL 2000 *EST
BROWN, MARION													
2615	1650	10.0			33.0	07-60		1	3	40	PRODUCED (B)		*ESTIMATED
BROWNS, EDWARDS, WABASH													
3550	3022	5.0			35.4	11-66		2	4	380	SH SD (F)		*ESTIMATED 1976
1021	2640	3.2	16.8	106	36.8	11-59		5	9	190	PRODUCED (B)		*INJECTION STOPPED MARCH, 1975
	2730	6.3	17.5	5	36.8			3	4	120			
3894	2300	10.0	16.0			11-62		2	2	60	PRODUCED (B)		*ESTIMATED
	2600	15.0	17.0					11	7	150			
BROWNS E, WABASH													
*3912	2570	13.0				01-51	01-57	1A	1A	290	SH SD, PROD (M)		*INCL PRIM PROD
*3914	2560	8.0				04-56	09-74	1	2	75	PENN SD, PROD (B)		
3950	2580	7.0	16.0		35.0	08-67		6	5	139	GRAV BED (F)		
*3913	2570	11.0			35.0	11-47	07-63	6	8	169	TAR SPGS, PROD (B)		*NO INJ SINCE 12-58
BUNGAY C, HAMILTON													
*1554	3275	13.5	21.8	104	36.0	09-65	12-70	2	4	60	SH SD, PROD (M)		SWO ONLY
1574	3270	12.0				11-64		2	25	270	PRODUCED (B)		*ESTIMATED
1550	3280	6.0	12.0	244	38.5	08-64		7	7	300	PENN SD, PROD (B)		*ESTIMATED
1558	3280	3.0	18.9	325	39.0	09-65		4	5	100	PENN SD (B)		*ESTIMATED
	3300	10.0	20.0	100				6	5	120			
1572	3260	15.0				01-55		1	7	90	PRODUCED		*EST *INCL PRIM PROD
1576	3260	15.0				07-67		1	3	40	PRODUCED (B)		*ESTIMATED
1555	3275	12.0	20.6	312	36.6	05-69		3	4	220	PRODUCED (B)		
1527	3254	12.0	14.0	350	38.0	01-67		1	4	60	PRODUCED (B)		*ESTIMATED
*1519	3331	15.0	20.0	80	39.1	09-66	04-73	3	5	90	SH SD, PROD (M)		*ESTIMATED 1971-73
*1522	3300	17.0	22.0	132	41.0	05-61		8	5	390	CYPRESS, PROD (B)		
*1500	3330	15.5	19.6	92	37.0	06-48	07-64	10	12	440	PENN, PROD (B)		
*1530	3300	25.0	17.8	107	37.0	09-61	10-68	5	5	130	PENN SD, PROD (B)		
CALHOUN C, RICHLAND, WAYNE													
*3400	3150	6.0			37.0	09-51	08-64	3	8	280	CYPRESS (B)		
*3401	3130	10.0	11.2	67	39.0	06-50	12-66	3	10	220	PRODUCED (B)		*NO DATA 1959-1966
*3447	3175	20.0				01-49	12-64	8	13	570	PRODUCED AND CYPRESS		*ESTIMATED
CALHOUN E, RICHLAND													
*3423	3268	10.0			37.2	08-65	12-71	2	3	100	TAR SPR, PROD (B)		*INACTIVE 1966-71
CALHOUN S, EDWARDS, RICHLAND, WAYNE													
4056	3250	23.0			39.0	08-66		1	3	20	PRODUCED (B)		*ESTIMATED
CARLYLE N, CLINTON													
407	1142	7.0			34.0	06-55		1	7	80	PRODUCED (B)		*ESTIMATED
CARMI, WHITE													
4402	3143	5.0			30.0	09-65		1	2	60	PENN SD, PROD (B)		*ESTIMATED
CASEY, CLARK													
*217	450	21.5	22.4	108	31.8	08-53	08-54	9	4	40	SH SD (F)		
*201	450	10.0			31.9	03-50	03-61	76	66	280	GRAV BED AND PROD (M)		
*202	290	20.0	21.5	400	26.0	12-53	12-68	15	12	40	SH SD, PROD (M)		
CENTERVILLE, WHITE													
4409	3360	13.0			37.0	12-65		1	1	20	PENN SD (B)		*ESTIMATED
*4267	3366	7.0			43.0	06-54	12-55	1	1	20	TAR SPRINGS (B)		*INCL PRIMARY SINCE 6-54
CENTERVILLE E, WHITE													
4203	2470	17.0	16.0	97		03-56		5	8	130	PALESTINE, PROD (B)		*EST *INCL ALL PAYS
	2550	17.0	15.0	12				8	9	190			
	2960	17.0	14.0	8				4	4	80			
	3060	20.0	20.0	45				4	7	110			
4379	2460	37.0	15.7		36.6	01-63		22	17	420#	SH SD, PROD (M)		*INCL ALL PAYS *EST
	2632	10.0						1	1	10			#INCL 4246 ACREAGE
	2850	35.0	14.4					16	16	340			
	2980	18.0	14.1					15	16	330			
	3030	19.6	19.6	109				18	15	350			
	3225	6.0						1	2	60			



TABLE 11. Waterflood operations

Field, County		General information				Production and injection statistics (M bbl)					
Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
CENTERVILLE E, WHITE CONTINUED											
4394	ABBSHER OIL CO	JONES-BAIRO	CYPRESS	7-4S-10E	54*	1241*	2.5*	134*	54*	1116*	
4376	NICK BABARE	JONES ESTATE	TAR SPRINGS	7-4S-10E	40*	1161*	3.3*	176*	40*	289*	
*4246	SUN OIL CO.	E. CENTERVILLE	TAR SPRINGS	7-4S-10E		269		39		132	
CENTRAL CITY, MARION											
2623	WILLIAM PFEFFER	PFEFFER U	PENNSYLVNIN	8-1N-1E	32	305	2.2	24	32	305	
CENTRALIA, CLINTON, MARION											
419	KARCHMER PIPE	KARCHMER-TRENTON	TRENTON	1,2-1N-1W,26,27,34,35 36-2N-1W	96	3672	33.8	455	96*	1672*	
* 403	W. O. MORGAN	CENTRALIA FIELO	BENOIST	35-2N-1W		880*		98*		880*	
420	MUBERT ROSE	BUEMLER COHM	OEUVONIAN	1-1N-1W	450*	13059*	22.6*	193*	450*	13059*	
412	FREO SEIP	ROTHMEYER,BUEMLER,COE	CYPRESS	13-1N-1W	20*	1107*	0.9*	70*	20*	1265*	
416	FREO SEIP	HEFTER MRS	BENOIST	13-1N-1W	115*	708*	5.5*	63*	115*	1591*	
404	SHELL OIL CO.	CENTRALIA U	CYPRESS	1,2,12-1N-1W, 35,36-2N-1W	2204	21701	41.4	11158	1729	104122	
* 408	SOMIO PETROLEUM	COPPLE TRENTON	TRENTON	35-2N-1W		236		34		21	
CHESTERVILLE E, DOUGLAS											
* 801	ROYALCO, INC.	ARCOLA UNIT	SPAR MTN	5,6-14N-8E, 31-15N-8E		6471		1130		1977	
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY											
*1900	ASHLAND O AND R	BOOS EAST	MCCLOSKEY	2,3,10-6N-10E		333		16			
*3402	ASHLAND O AND R	NOBLE NORTH	MCCLOSKEY	35-4N-9E		318		8			
3419	WM. BECKER	WAKEFIELD-MARRELL U	CYPRESS	26-4N-9E	50*	2558*	2.8*	411*	50*	2075*	
* 362	C. E. BOOTH	STANFORD	AUX VASES	4-2N-7E		175		35		70	
381	C. E. BOOTH	MURO & PETTIJOMH	AUX VASES	15,16-2N-7E	85*	465*	4.7*	28*	80*	460*	
1915	C. E. BOOTH	OELLA MARVEY	SPAR MTN	12-5N-9E	40*	896*	2.2*	89*	40*	342*	
3405	C. E. BOOTH	S. NOBLE CONSLO	MCCLOSKEY	30,31-3N-9E, 25,36-3N-8E	10*	3987*	1.0*	164*	10*	1617*	
*3403	M. L. BROCKMAN	EAST NOBLE UNIT	SPAR MTN	10-11-3N-9E		3464*		251*		1736*	
* 380	BRUER & ROBINSON	NORTH CLAY CITY	CYPRESS	8,9,16,17-3N-8E		4500*		311*		4000*	
4064	CARL BUSBY	GASTON-SIMMS	AUX VASES	25-1S-8E	120*	615*	4.1*	55*	120*	563*	
*4107	CONTINENTAL OIL	WILSON 'B'	SPAR MTN	15-1S-8E		212		13		53	
*4073	COY OIL CO	EAST GEFF	AUX VASES	8,17-1S-8E		581		32		18	
4147	CULLUM OIL CO.	ROBERTSON-BING-CREWS	AUX VASES	27,28-1S-8E	170*	3186*	12.4*	226*	170*	1615*	
*1913	DOORAN OIL PROP.	BERGBOWER	MCCLOSKEY	4-6N-10E		141		17			
4082	DUNCAN LSE+ROY	CREWS-SHORT COOP	AUX VASES	33-1S-8E	109	1131	3.6	169			
4092	DUNCAN LSE+ROY	CREWS MIDDLE UNIT	AUX VASES	33-1S-8E	265	3296	7.1	154			
1925	ENERGY RESOURCES	NEWTON EAST	MCCLOSKEY	34-7N-10E/13-6N-10E	175*	920*	8.4*	66*	175*	662*	
*4109	F AND W OIL CO.	MILLER-LAMBRICH U	ST LOUIS OMARA	29-1N-8E		*		144			
4146	F AND W OIL CO.	MT. ERIE UNIT	MCCLOSKEY	33,34,35-1N-8E	150*	8541*	10.7*	1068*	150*	4899*	
4174	FARRAR OIL CO.	MOLT	AUX VASES	29-1N-8E	182*	1108**	8.9*	142**	35*	296**	
4156	FRMERS PETR COOP	BEARD, HORAM,WILSON U	AUX VASES	10-1S-8E		794**		379*		212*	
1927	FINKS OIL CO.	ROUTE 33	MCCLOSKEY	27,28,34-7N-10E	200*	1650*	11.9*	102*	200*	1650*	
4175	DONALO W. GESELL	NE GEFF UNIT	AUX VASES	7-1S-8E		258*		46*		94*	
4173	J. O. GORDON	BOTHWELL	MCCLOSKEY	24-2N-7E	80*	624*	6.4**	91**	80*	615*	
1906	GLEN GRIFFITH	WILLOW HILL COOP	MCCLOSKEY	6-6N-11E	20*	96**	1.6*	25**	20*	225**	
* 317	GULF OIL CO	S. STANFORD U	AUX VASES	8,9,16,17-2N-7E		2805		370		810	
*4130	GULF OIL CO	WINONA	MCCLOSKEY	12-1S-8E		25		6		300	
*4094	ILL. LSE. OP.	BLACKBURN	AUX VASES	3-1S-8E		47		6		10	
*4141	ILL. LSE. OP.	HILL,THOMPSON,GRSN.	AUX VASES	27-2N-7E		610		36		235	
*4197	ILL. LSE. OP.	HORAM	AUX VASES	4-1S-8E		15*		61		99	
*4198	ILL. LSE. OP.	J. O. VUROLAS	OMARA	26-1S-7E		205*		41*		230*	
*4184	ILL. MID-CONT.	CREWS-SHORT COOP	AUX VASES	33,34-1S-8E		503*		34**		503*	
*4179	JENKINS BROS	NORTH FIRST STREET	AUX VASES	19-1S-8E		337*		69*		181*	
*4119	KIRBY PETROLEUM	KIRBY	AUX VASES	16,17-1N-7E		2464		360		391	
4140	OAE V LOVE	BARNARD-HOLMAN-LISTON	AUX VASES	10-1S-7E	25*	600*	1.3*	76*	25*	508*	
*3416	MARATHON OIL CO.	NOBLE COOP U	MCCLOSKEY	8-3N-9E		*		*		*	
3421	MURVIN OIL CO.	WAKEFIELD POOL U	CYPRESS	24-4N-9E		2966**	3.0*	466*	60*	3147*	
4060	MURVIN OIL CO.	PIKE	AUX VASES	14-1S-7E	85*	870*	4.2**	43**	85*	870*	
* 300	O H AND F OIL CO	N CLAY CITY U	MCCLOSKEY	5,8-3N-8E		319*		154*		836*	
372	PARTLOW, COCHNOR	HENDERSON & SKELTON	CYPRESS	17-2N-8E	200*	1025*	21.8*	206*	200*	1050*	
4069	PARTLOW, COCHNOR	HOSSELTON & GILL	SPAR MTN	20-2N-8E	140*	990*	10.1*	149*	140*	1040*	
* 301	PHILLIPS PET. CO	MINNIE	CYPRESS	24-3N-7E		181		79		460	
3427	BERNARD POOLSKY	COEN U	SPAR MTN	36-5N-9E	16	226	1.9	38			
4087	BERNARD POOLSKY	W JEFFERSONVILLE	AUX VASES	15,16-1S-7E	19	628	1.9	41	19	166	
4149	BERNARD POOLSKY	MARSHALL	AUX VASES	16-1S-8E		640*	2.2	66	14	451	
4159	BERNARD POOLSKY	NW FAIRFIELD U	OMARA	26,35-1S-7E	67	2626	24.0	323	9	420	
4194	BERNARD POOLSKY	GRAY	AUX VASES	16,21-1S-8E	77	1460	4.6	92	14	629	
*1901	ROBINSON PROD.	NE MCCLOSKEY U NO 1	MCCLOSKEY	13,14,24-7N-10E		1367		282		328	
*1902	ROBINSON PROD.	WILLOW HILL, SE BAR	MCCLOSKEY	23,26-7N-10E		3326		639		1113	
4067	ROBINSON PROD.	NE GEFF-MURPHY	AUX VASES	5,6-1S-8E	143	540	20.0	90	30	115	
4068	ROBINSON PROD.	CARTER U	OMARA	28,29,32,33-1N-8E	27	138	7.1	28			
*4084	ROBINSON PROD.	WESLEY FELLER	AUX VASES	7-1N-8E		368		83		408	
*4115	ROBINSON, PUCK.	N PUCKETT U	AUX VASES	9-2S-8E		966		122			
*4116	ROBINSON, PUCK.	S PUCKETT U 1	AUX VASES	16-2S-8E		4337		458		1798	
1918	MUBERT ROSE	LIBERTY W UNIT	MCCLOSKEY	16,21-5N-10E	*	319*	*	24*	*	24*	
3433	MUBERT ROSE	OUNOAS WEST UNIT	MCCLOSKEY	28,33-5N-10E	20*	1384*	1.0*	65*	20*	170*	
3436	MUBERT ROSE	SOUTH NOBLE UNIT	MCCLOSKEY	29,32-3N-9E	60*	1782	2.8*	135	60*	981	
4186	MUBERT ROSE	SYCAMORE CONSLO	AUX VASES	22,23,24-2N-7E	40*	2941*	2.0*	240*	40*	1526*	
4111	ROYALCO, INC.	M.OSTERMAN	MCCLOSKEY								
			AUX VASES	14,23-1S-8E	240*	1009*	8.4*	130*	80*	314*	
			OMARA								
			MCCLOSKEY								
* 347	J. W. RUDY ORLG.	EO WILSON	AUX VASES	32-3N-8E		235		44		41	
* 363	J. W. RUDY ORLG.	CLARK LEASE	CYPRESS	20-3N-8E		62		7		32	
4088	J. W. RUDY ORLG.	FLEXTER	AUX VASES	3-1N-7E	22*	497*	1.6*	142*	22*	324*	
3444	FREO SEIP	R. S. SMATTO	MCCLOSKEY	20-3N-9E	80*	1215*	2.9*	140*	80*	1255*	

Field, County  Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
								Inj.	Prod.				
CENTERVILLE E, WHITE CONTINUED													
4394	2910	15.0	14.4	109	36.6	10-63		2	2	100	PRODUCED (B)	*ESTIMATED	
4376	2500	16.0	15.7	21	35.4	09-63		2	2	40	PURCHASED (B)	*ESTIMATED	
*4246	2530	6.0			36.6	10-50	09-57	*	5	1*	PRODUCED (B)	*ACREAGE AND WELLS INCL W/4379	
CENTRAL CITY, MARION													
2623	864	22.0			34.0	10-64		1	5	60	PRODUCED (B)		
CENTRALIA, CLINTON, MARION													
419	3950	99.9			40.0	11-66		21	32	1080	AUX VASES (B)	*ESTIMATED	
* 403	1368	10.0			38.0	10-55	01-74	1	3	40	CYPRESS, PROD (B)	*ESTIMATED	
420	2680	29.0			38.8	06-66		2	4	269	PRODUCED (B)	*ESTIMATED	
412	1200	10.0		80	34.0	11-60		3	6	45	PRODUCED (B)	*ESTIMATED	
416	1360	10.0			35.0	09-70		1	5	100	PRODUCED (B)	*ESTIMATED	
404	1200	20.4	20.2	225	34.8	05-56		113	76	1450	PENN, A V, DEV SOURCE/		
	1350	19.6	19.6	186				75	88	1560	CYP, BEN, PROD (B)		
* 408	3950	22.0	10.0		39.8	11-51	03-53	2	12	160	DEVONIAN (B)		
CHESTERVILLE E, DOUGLAS													
* 801	1725	10.0	16.0	167	38.0	09-61	08-73	14	24	380	RIVER, PROD (M)		
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY													
*1900	2645	8.0			40.0	09-53	04-60	3	3	40	GRAV, PROD (M)		
*3402	3000	5.0			38.0	07-54	04-61	1	1	20	CYPRESS (B)		
3419	2540	28.0	18.0	140		07-60		5	5	100	PENN SO, PROD (B)	*ESTIMATED	
* 362	2970	10.0			36.0	12-66	04-73	1	1	20	PENN SO, PROD (B)		
381	2960	16.0				11-71		3	5	80	PRODUCED (B)	*ESTIMATED	
1915	2960	10.0	13.6		35.1	03-62		2	3	50	PENN SO, PROD (B)	*ESTIMATED	
3405	2975	5.0	15.0	24		07-57		1	2	448	PRODUCED (B)	*ESTIMATED	
*3403	2950	11.0			38.0	05-55	12-71	5	18	260	PRODUCED (B)	*NOT OPERATED 1968-1971	
* 380	2630	15.0				06-58	03-67	3	13	160	SH SO, PROD (M)	*ESTIMATED	
4064	3090	10.0				1-72		2	8	180	PRODUCED (B)	*ESTIMATED	
*4107	3160	10.0				04-55	04-63	1	2	40	CYPRESS, PROD (B)		
*4073	3075	10.0	19.0	30	40.0	01-69	01-72	3	3	100	SH SAND (F)		
4147	3130	12.0			39.0	01-61		4	10	250	PENN SO, PROD (B)	*ESTIMATED 1973-76	
*1913	2850	16.0				10-60	12-64	1	10	240	CYPRESS (B)		
4082	3100	21.0				04-67		2	4	70	PRODUCED (B)		
4092	3110	28.0				08-65		5	4	260	PENN SO, PROD (B)		
1925	2650	15.0				08-70		4	12	280	CYP, SURFACE (M)	INACTIVE 1973; *ESTIMATED	
	2950	18.0						3	12	280			
*4109	3060	15.0				08-50	01-63	4	4	150	CYPRESS (B)	*DUMP FLOOD, NO RECORD	
	3080	15.0						4	4	150			
	3100	15.0						4	4	150			
4146	3000	11.0	13.0	16	40.2	10-60		6	12	720	SH SO, PROD (M)	*ESTIMATED	
4174	3121	7.0				08-64		1	3	40	PRODUCED	*ABD 1965-1968; *ESTIMATED 1976	
								1	3	40			
4156	3100	14.0			40.0	07-62		2	4	200	PENN SO (B)	*EST1+SWO SINCE 12-69; NO DATA 76	
1927	2950	23.0				06-69		1	8	110	PRODUCED (B)	*ESTIMATED	
4175	3031	15.0	20.0	27	38.5	02-64		2	2	50	PENN SO, PROD (B)	*TEMP ABD 9-1-70	
4173	2990	5.0			37.0	07-63		2	2	20	PRODUCED (B)	*EST1+AFECTED BY AOJ A.V. FLOOD	
1906	2634	9.0	15.0	24		06-57		1	1	70	PRODUCED (B)	*EST1+NO DATA 1967-74	
* 317	2975	11.8	19.8	97	38.8	05-54	12-60	9	8	170	PENN SO, PROD (B)		
*4130	3115	8.0	12.0		40.1	08-55	10-56	1	1	12	TAR SPRING (B)		
*4094	3031	26.0				04-64	04-69	1	1	20	PENN SO (B)		
*4141	3130	12.0			32.6	03-60	10-65	3	7	160	PRODUCED (B)		
*4197	3040	22.0				01-66	01-73	1	1	20	PRODUCED (B)	*INJ SUSPENDED 8-66	
*4198	3215	20.0			38.0	10-62	08-68	1	3	40	PENN SO (B)	*NO DATA BEFORE 1965	
*4184	3150	15.0	14.0	40		12-65	05-74	3	3	60	PENN SO (B)	*ESTIMATED *REVISIO	
*4179	3146	7.8	18.0	75	37.5	08-58	01-72	2	1	80	POND, PROD (M)	*NOT OPERATED 1970-1972	
*4119	2900	5.0	19.0		38.0	01-55	05-62	4	15	400	PENN SO, PROD (B)		
4140	3135	13.0			38.4	12-60		2	4	60	PRODUCED (B)	*ESTIMATED SINCE 1970	
*3416	2500					08-54	10-60	3	8	120	PRODUCED (B)	*INCL WITH 3409	
3421	2535	21.0			35.0	10-60		6	13	320	TAR SPGR (B)	*INJ. TERMINATED 1973; *EST	
4060	3100	9.0				01-70		2	6	110	PRODUCED (B)	*EST +INCL PRIM SINCE 1-71	
* 300	3010	5.0				06-55	01-76	1	1	100	RIVER, PROD (M)	*ESTIMATED; SWO ONLY	
372	2650	10.0				06-69		1	4	80	PRODUCED (B)	*ESTIMATED	
	2920	20.0						1	4	80			
	3002	8.0						1	5	80			
4069	2640	12.0				06-68		1	5	60	PRODUCED (B)	*ESTIMATED	
	3010	8.0						1	5	60			
* 301	2990	30.0	14.0	2000	38.5	07-53	05-58	1	1	20	PROD (B)		
3427	2800	8.0			36.0	05-64		1	4	50	PENN SO, PROD (B)		
4087	3120	13.0				06-67		3	6	120	SH WELL (F)		
4149	3120	20.0			38.0	11-65		3	8	120	PURCHASED (F)	*INJECTION CURTAILED 10-73	
4159	3200	7.2	13.0	200	40.1	10-62		5	4	480	PENN SO (B)		
4194	3150	12.0			39.0	11-65		4	9	100	CYPRESS (B)		
*1901	2530	6.2	14.0		38.0	05-51	01-70	2	6	235	PRODUCED (B)		
*1902	2580	8.2	14.0		40.0	05-53	01-70	3	5	415	SH SO, PROD (M)		
4067	3075	7.5	19.0	35		08-71		6	8	236	PRODUCED (B)		
	3130	4.5						2	8	215			
4068	3015	6.5	18.5	30	37.0	09-71		1	4	165	WELL & PROD (M)		
*4084	2935	11.0	16.0	35	39.3	03-67	01-74	1	1	50	PRODUCED (B)		
*4115	3150	8.0	19.0	115	39.0	01-56	05-63	6	4	172	SEWAGE, PROD (M)		
*4116	3200	14.8	20.0	80	39.0	08-54	05-63	7	11	243	SEWAGE, PROD (M)		
1918	2900	7.0				04-65		1	1	100	PENN SO, PROD (B)	*NO DATA 1972-76	
3433	2870	5.0	13.0	120		01-65		2	3	180	PRODUCED (B)	*ESTIMATED	
3436	3005	9.0				09-66		3	5	170	PRODUCED (B)	*ESTIMATED	
4186	2930	20.0	19.0	75		11-64		2	6	440	PENN SO, PROD (B)	*ESTIMATED	
	3010	20.0						2	2	100			
4111	3050	15.0				06-71	05-75	1	3	80	PENN SAND, PROD (B)	*ESTIMATED 1976	
	3100	8.0				04-58		1	2	70			
	3150	10.0				06-71	05-75	1	2	70			
* 347	2933	15.0			39.2	02-59	01-72	1	2	40	CYPRESS (B)		
* 363	2678	10.0				06-68	01-74	1	1	30	SURFACE PROD (M)		
4088	2990	12.0	19.0	22	38.5	12-61		1	2	120	CYPRESS, PROD (B)	*ESTIMATED 1976	
3444	3000	5.0	16.0	1307	39.0	01-61		1	1	40	PRODUCED (B)	*ESTIMATED 1970-76	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED											
	3445	SHAKESPEARE OIL	RUNYON-TOTTEN U	SPAR MTN	25-3N-9E	215	232	13.2	14	51	51
	*4117	SHAKESPEARE OIL	E. BANKER SCHOOL U	CYPRESS	22-2N-8E		801		219		587
	*4118	SHAKESPEARE OIL	E. GEFF UNIT	AUX VASES	12,13-1S-7E, 7,17,18-1S-8E 28,33-1N-7E; 3,4-1S-7E		9553		966		3900
	4166	SHULMAN BROTHERS	W GEFF U	AUX VASES		100+	3396+	5.5+	198**	100+	2077**
				OHARA			467				
				MCCLOSKEY			2900				
	4177	SHULMAN BROTHERS	NE GEFF U	AUX VASES	1,11,12,13-1S-7E	100*	9649*	7.3*	1299*	100*	4420*
	*4196	JOE SIMPKINS OIL	HEISNER UNIT	AUX VASES	3-2S-8E, 33,34-1S-8E		2344*		239*		1033*
	3428	WAYNE SMITH, OP.	ONTON HILL U	AUX VASES	1,12-4N-9E, 36-5N-9E		5929		158		3127
				SPAR MTN		60+	427**	3.9*	22*	60*	240*
	4190	S. ILL. OIL PROO	SOUTH CISNE U	AUX VASES	27-1N-7E	45*	718*	3.2*	88*	45*	521*
	*1907	H. M. SPICKLER	WILLOW HILL	MCCLOSKEY	36-7N-10E		*		2		
	4079	TAMARACK PET.	BLACK OAK SCHOOL U	AUX VASES	22,23,26,27-1S-8E	720	6523	25.9	272	174	1065*
	4081	TAMARACK PET.	CLAY UNIT	AUX VASES	9,10,15,16-1S-8E	324	2454*	2.4	101*	57	488*
	*4095	TAMARACK PET.	EAST CLAY	AUX VASES	10-1S-8E		284		19		36
	*4108	TAMARACK PET.	PIERCE	SPAR MTN	22-2N-8E		1013*		86		922
	4157	TAMARACK PET.	S.W. MT. ERIE U	AUX VASES	4-1S-8E	153	1738	3.2	90*	24	332*
	4191	TAMARACK PET.	CISNE UNIT	AUX VASES	3,9,10-1S-7E	58	2882*	2.4	387*	43	666*
	4193	TAMARACK PET.	WILSON U	AUX VASES	23,26-2N-8E	30*	2770*	3.3*	340*	30*	1279*
	*4132	TEXACO, INC.	E. GALLIGHER	MCCLOSKEY	2-2S-7E		32				
	*4144	SAM TIPPS	W GEFF U	AUX VASES	16,17,21-1S-7E		1690		105		1137
	302	UNION OIL CALIF.	T H & S UNIT	CYPRESS	9,10-2N-8E	130	329	6.1	59	62	280
	304	UNION OIL CALIF.	NE WOODSIDE SCHOOL	CYPRESS	16,17-2N-8E	*	1621*	14.1	122	43	566
				MCCLOSKEY							
	335	UNION OIL CALIF.	WEILER SCHOOL CONSLO	CYPRESS	33,34-3N-8E, 3,4-2N-8E	243	8192	25.1	1044	132	3838
				MCCLOSKEY							
	341	UNION OIL CALIF.	W. CLAY CITY	AUX VASES	10-2N-7E	681	4346	18.4	248	275	1891
				MCCLOSKEY							
	349	UNION OIL CALIF.	THOMAS SCHOOL U	CYPRESS	5,6,7,8,17,18-2N-8E; 12-2N-7E	1083	23519	53.0	2208	761	10347
				AUX VASES							
	358	UNION OIL CALIF.	BUNNYVILLE C *	MCCLOSKEY							
				CYPRESS	27,28,29,32,33-3N-8E; 4,5,6-2N-8E	1218	14427	112.5	1648	1338	10143
				AUX VASES							
				MCCLOSKEY							
	1910	UNION OIL CALIF.	E NEWTON CONSOL	MCCLOSKEY	27,34-7N-10E	166	5783	14.4	421	128	2289
	1911	UNION OIL CALIF.	MT. GILEAD CONSOL	MCCLOSKEY	19,20,29,30-5N-10E	887	12491	10.1	548	71	4954
	1919	UNION OIL CALIF.	N. OUNDAS U	AUX VASES	7,8,9,18-5N-10E	598	22569	34.5	889	685	8949
				MCCLOSKEY							
	1922	UNION OIL CALIF.	S 800S U	AUX VASES	33-6N-10E; 4,5,6-5N-10E	1347	21859	59.8	1664	940	9932
				MCCLOSKEY							
	1924	UNION OIL CALIF.	HONEY CONSOL	SALEM							
				AUX VASES	16,17-5N-10E	310	4719	18.6	292	410	3873
				MCCLOSKEY							
	3404	UNION OIL CALIF.	OLO NOBLE	CYPRESS	3,4,5,8,9-3N-9E; 32,33-4N-9E	7180	132195	143.1	6350	6506	131521
				MCCLOSKEY							
	*3406	UNION OIL CALIF.	SW NOBLE U	SPAR MTN			3810*		181		1056
	3418	UNION OIL CALIF.	WAKEFIELD CONS	CYPRESS	11,12-2N-8E 13,14,22,23,24,25,26, 27-4N-9E	510	39855	18.0	3853	408	28025
	3425	UNION OIL CALIF.	GUYOT CONSLO	CYPRESS	35,36-3N-8E, 1,2-2N-8E	102	6098	8.5	363	90	1776
				MCCLOSKEY							
	3429	UNION OIL CALIF.	NE WAKEFIELD CONSLO	CYPRESS	13,14-4N-9E	12	416	0.8	42	6	102
	3431	UNION OIL CALIF.	HOG RUN CONSLO	AUX VASES	17-3N-9E	64	2080	3.1	94	77	730
				MCCLOSKEY							
	3434	UNION OIL CALIF.	SUGAR CREEK UNIT	SPAR HTN	26,27-4N-9E	*	1083*	1.4	62	4	61
				MCCLOSKEY							
	3437	UNION OIL CALIF.	S OUNDAS CONSOL	MCCLOSKEY	30,31-5N-10E	343	2662	9.1	120	172	974
				AUX VASES							
	3438	UNION OIL CALIF.	R-8 CONSOL	MCCLOSKEY	27,28-4N-9E	30*	564*	1.8	39	30**	219**
	3440	UNION OIL CALIF.	W A M CONSOL	AUX VASES	13,14,23,24,26-4N-9E	100	2498	12.7	91	69	539
				SPAR HTN							
	3441	UNION OIL CALIF.	R H & P CONSOL	MCCLOSKEY	24,25-3N-8E	311	1856	3.1	33	76	426
	3442	UNION OIL CALIF.	OUTER WAKEFIELD C	CYPRESS	14,23-4N-9E	36	954	3.0	47	18	190
				AUX VASES							
	3443	UNION OIL CALIF.	LU-BERG AREA	CYPRESS	25-4N-9E	201	1238	15.9	175	13	47
	3446	UNION OIL CALIF.	COLBORN CONSOL.	AUX VASES	4,5-3N-9E	6	6	45.4	86*	679	679
				MCCLOSKEY							
				ST. LOUIS							
				SALEM							
	4065	UNION OIL CALIF.	BANKER SCHOOL CONSLO	CYPRESS	15,21,22,28-2N-8E	87	2196	8.4	840	53	1177
	4070	UNION OIL CALIF.	E BANKER SCHL	CYPRESS	21,28-2N-8E	142	634	16.2	107	83	296
				AUX VASES							
	*4074	UNION OIL CALIF.	SE WOODSIDE SCHOOL	MCCLOSKEY	20,29-2N-8E		370		8		28
	4075	UNION OIL CALIF.	S WOODSIDE SCHL	AUX VASES	19,20,30-2N-8E; 25-2N-7E	333	2321	14.6	208	172	944
				MCCLOSKEY							
	4076	UNION OIL CALIF.	E DRY FORK	AUX VASES	25-1S-6E	67	1010	3.5	83	46	178
	4080	UNION OIL CALIF.	WOODSIDE SCHL C	CYPRESS	24-2N-7E; 19,20-2N-8E 13-2N-7E; 18-2N-8E	1688	15041	64.3	796	628	5055
				AUX VASES							
	4091	UNION OIL CALIF.	CENT JORDAN SCHOOL	MCCLOSKEY							
				AUX VASES	1-1N-7E	391	5874	15.0	500	333	3540
	4097	UNION OIL CALIF.	DEER CREEK S	MCCLOSKEY							
				CYPRESS	11,12-1S-8E	188	3438*	3.2	121*	70	834*
				MCCLOSKEY							
	*4099	UNION OIL CALIF.	BRAOLEY U	AUX VASES	26-1N-7E		639		42		
	4106	UNION OIL CALIF.	SW VANFOSSAN U	AUX VASES	25,26,27-1N-8E	422	5555	21.3	375	275	2187
				OHARA							
				MCCLOSKEY							
	4112	UNION OIL CALIF.	JORDAN SCHOOL U	AUX VASES	27,34,35-2N-7E, 3-1N-7E	*	25655*	7.5	2360	150	14433
	*4113	UNION OIL CALIF.	NE JORDAN SCHOOL U	AUX VASES	25,26,35,36-2N-7E		13813		1316		8468
	4114	UNION OIL CALIF.	VAN FOSSAN U	MCCLOSKEY	10,14,15,22,23,26,27- 1N-8E	175	16265	5.3	717	175	8838
	4131	UNION OIL CALIF.	SE JORDAN SCHOOL U	AUX VASES	2,11-1N-7E	987	22973	21.3	1747	732	14193
	4135	UNION OIL CALIF.	DEER CREEK UNIT	AUX VASES	1,2,10,11-1S-8E	400	9162	16.7	700	370	4608
				MCCLOSKEY							



## in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
								Inj.	Prod.				
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED													
3445	3080	7.0			38.0	12-75		3	11	150	PENN SO (F)		
*4117	2639	12.5	16.5	43	34.4	01-57	12-71	2	2	60	SH SO (F)		
*4118	3065	15.9	19.0	85	38.7	01-57	01-72	30	31	588	SH SO, PROD (M)		
4166	3080	8.0				12-63		6	13	250	PENN SO (R)		*INCL ALL PAYS; *EST SINCE 1967
	3170	5.4				12-63	12-66	3	5	160			
	3200	19.0				12-63	12-67	7	20	960			
4177	3075	20.0	18.0	75		09-64		30	18	1127	PENN SO, PROD (R)		*ESTIMATED 1975-76
*4196	3170	18.0			39.0	08-65	12-72	20	19	480	PENN SO, PROD (R)		*ESTIMATED
3428	2800	10.0	18.0	50	39.0	04-64	6-74	30	25	500	PENN SO, PROD (R)		*ESTIMATED; *SWD SINCE 1974
	2900	10.0						1	2	40			
4190	3004	16.0			38.0	10-65		1	4	40	PENN SO, PROD (R)		*ESTIMATED
*1907	2615	10.0				06-52	12-54	1	1	20	PRODUCED (R)		*DUMP FLOOD, NO DATA
4079	3100	14.0	20.1	8	39.0	09-68		7	19	680	PENN SO (R)		*ESTIMATED
4081	3100	9.0				03-68		4	7	220	SH GRAVEL (F)		*CUMS, CORRECTED TO 1976 DATA
*4095	3060	10.0				02-69	02-72	3	2	40	SH GRAVEL (F)		
*4108	3016	10.0				02-54	12-61	2	2	80	PRODUCED (R)		*ESTIMATED
4157	3040	10.1	15.9	24	39.0	10-62		3	3	100	PURCHASED (R)		*CUMS, CORRECTED TO 1976 DATA
4191	3100	10.0	18.0	50	34.5	11-65		6	6	180	PENN SO, PROD (R)		*CUMS, CORRECTED TO 1976 DATA
4193	2960	14.0	19.0	30	39.0	01-65		10	10	280	SH GRAVEL (F)		*ESTIMATED
*4132	3255	6.0			38.0	01-58	07-59	1	1	40	CYPRESS, PROD (R)		
*4144	3150	13.0	19.0	85		11-60	01-64	9	10	150	PENN SO (R)		
302	2610	15.0	18.0	65	37.2	05-72		1	4	200	PRODUCED (R)		
304	2620	16.0	18.0		37.6	04-68		2	2	80	PENN SO, PROD (R)		*INJECTION STOPPED 2-3-73
	3000	25.0	15.0					4	7	280			
335	2596	17.0	15.3	24		07-61		8	7	320	PENN SO, PROD (R)		
	2957	15.0	15.0					3	5	280			
341	2960	15.0			38.0	8-71		1	4	60	PRODUCED (R)		
	3070	10.0	16.0			9-70		4	6	240			
349	2650	20.0	13.0	200		07-65		38	34	1480	PENN SO, PROD (R)		
	2900	20.0						8	12	200			
	3000	27.0						6	15	700			
358	2620	16.0	18.0	24	38.5	05-65		24	42	2300	PRODUCED (R)		*INCL FORMER C WILKIN
	2880	8.0	10.0					9	19	300			
	2950	11.0	18.5					11	15	400			
	3000	25.0	15.0					11	14	700			
1910	2670	8.0	15.0	24		10-60		5	6	180	CYPRESS, PROD (R)		
1911	2750	10.0				01-66		7	8	880	PRODUCED (R)		
1919	2720	37.0	18.0	87		07-65		16	28	1250	PENN SO, PROD (R)		
	2791	31.0						13	24	1320			
1922	2720	12.0				11-66		15	22	310	PRODUCED (R)		
	2900	11.0						12	18	570			
	3400	32.0						15	16	680			
1924	2720	11.0	18.5			08-68		4	4	200	PRODUCED (R)		
	2780	25.0	15.0					3	7	200			
	3297	13.0	11.0					4	5	360			
3404	2590	15.0	15.0	24	36.8	08-54		19	67	1550	PRODUCED (R)		
	2930	10.0						11	32	1702			
*3406	2984	6.0	15.0	75		05-57	03-66	2	3	340	CYPRESS, PROD (R)		*ESTIMATED
3418	2545	32.0	17.0	120		05-59		12	20	1640	PENN SO, PROD (R)		
3425	2620	20.0	15.0	75		12-63		9	8	500	PENN SO, PROD (R)		
	3000	20.0						5	7	400			
3429	2579	15.0	18.0	65		11-64		1	1	100	PENN SO, PROD (R)		
3431	2683	25.0	15.0	75		10-65		3	3	200	CYPRESS, PROD (R)		
	2967	7.0						3	3	229			
3434	2925	5.0				05-66		2*	1	300	PENN SO, PROD (R)		*INJECTION CEASED 2-73
	2950	5.0						3*	1	300			
3437	2838	25.0			38.5	06-68		1	3	80	SUB-SURFACE (R)		
	2838	25.0						1	3	80			
3438	2983	25.0	15.0		39.6	10-68		1	3	240	PRODUCED (R)		*EST; SWD SINCE 9-73
3440	2878	27.0	15.0		38.1	09-69		1	3	80	WATER SOURCE WELL (R)		
	2905	15.0	14.0					4	3	150			
3441	2940	11.0	18.0		38.5	04-70		2	1	120	PRODUCED (R)		
3442	2619	12.0				12-69		1	3	50	PENN SO (R)		
	2876	14.0						1	4	50			
3443	2550	10.0	17.0	50	38.8	09-71		5	4	160	PRODUCED (R)		
3446	2860	18.0				12-76		8	8	620	PRODUCED (R)		*UNIT EFFEC. 8-1-75
	2970	10.0						2	5	440			
	3090	20.0						1	4	160			
	3450	20.0						1	1	400			
4065	2639	15.0	18.0	65		09-56		8	6	620	PENN SO, PROD (R)		
4070	2640	15.0	18.0	65	38.6	10-71		2	7	60	WELL (R)		
	2945	15.0	16.0	77				1	3	60			
*4074	3025	14.0	16.0		38.6	05-69	11-73	3	1	80	PRODUCED (R)		
4075	2915	10.0				05-69		3	6	200	PRODUCED (R)		
	3018	8.0						3	5	200			
4076	3119	11.0			38.3	05-69		2	2	200	WELL, PROD (R)		
4080	2620	16.0	18.0		37.0	04-68		13	11	670	PENN SO, PROD (R)		
	2950	11.0	18.5					8	10	670			
	3000	25.0	15.0					11	18	874			
4091	2930	15.0	18.0		41.5	03-68		6	5	290			
	2990	4.0	15.0					5	6	290			
4097	2725	8.0	15.0	24	39.4	02-50		2	3	200	PENN SO, PROD (R)		*NO DATA BEFORE 1965
	3090	4.0						3	3	240			
*4099	3013	20.0	22.0	100	39.0	05-60	09-68	3	3	60	PRODUCED (R)		
4106	2975	20.0				01-67		14	15	460	WELL, PROD (M)		
	3030	6.0						4	4	160			
	3075	6.0						3	3	120			
4112	2950	14.0	19.0	73		09-54		37	35	830	PENN SO, PROD (R)		*INJ. OISC. 12-71
*4113	2950	15.0	19.0	106		01-56	05-69	14	12	510	PENN SO, PROD (R)		
4114	3070	10.0	13.0	200		01-54		2	5	1810	PRODUCED (R)		
4131	2930	17.0	19.0	106		11-57		16	18	640	PENN SO, PROD (R)		
4135	2990	8.0				12-66		16	16	893	PENN SO, PROD (R)		
	3090	4.0						3	8	450			

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED											
	4142	UNION OIL CALIF.	ELM RIVER U	AUX VASES MCCLOSKEY	30,31-2N-8E	292	6668	8.2	554	163	3278
	4143	UNION OIL CALIF.	FELLER FLOOD CONSLO	AUX VASES	5,6,7,8-1N-8E	445	14348	17.2	1743	486	9793
	*4152	UNION OIL CALIF.	OREGON SCHOOL U	AUX VASES	20,21,28,29-1S-8E		2839		185		1579
	4153	UNION OIL CALIF.	SE ENTERPRISE U	AUX VASES	24-1N-8E	1	1114	2.5	63	1	221
	4164	UNION OIL CALIF.	E. JORDAN SCHOOL C	AUX VASES MCCLOSKEY	1-1N-7E,6-1N-8E, 35,36-2N-7E	2191	36655*	54.1	3080*	1895	22169*
	4176	UNION OIL CALIF.	S JORDAN SCHOOL U	AUX VASES	11,12-1N-7E,7-1N-8E	924	14190	33.6	1541	695	5809
	4185	UNION OIL CALIF.	ZIF CONSLO	CYPRESS AUX VASES MCCLOSKEY	4-1N-8E, 33,34-2N-8E	1020	13942	44.3	1696	924	7420
	4187	UNION OIL CALIF.	SOUTH CISNE CONSLO	AUX VASES MCCLOSKEY	27,34-1N-7E	78	4872	4.3	128	80	984
	4188	UNION OIL CALIF.	N CISNE U	AUX VASES MCCLOSKEY	22,27-1N-7E	220	3524	6.7	244	245	3717
	4192	UNION OIL CALIF.	J. P. HOLT-A	AUX VASES MCCLOSKEY	30-1N-8E	74	152	7.9	13	15	28
	*4136	VERNE H. VAUGHN	BLESSING-CHRISMAN U	AUX VASES	31,32-1N-8E		623		180		270
	*4098	W AND W WELL SERVICE	DAVIS, JONES & WHITLOCK	AUX VASES	9-1S-7E	30*	645*	1.8*	157*	30*	530*
	*4180	WATKINS DRILLING	WATKINS-WHITLOCK	AUX VASES	9-1S-7E		152		45		143
	4151	H. WEINERT EST.	SOUTH BOYLESTON UNIT	AUX VASES	3,4,9,10-2S-7E	361	5427	6.3	337		
	4162	H. WEINERT EST.	NORTH BOYLESTON UNIT	AUX VASES MCCLOSKEY	33,34-1S-7E,3,4-2S-7E	1007	15660	13.4	762		
	1926	WICHITA INDUSTRIES	EAST NEWTON WF	MCCLOSKEY	22,23,26,27-7N-10E	700*	4124*	115.1*	491*	550*	1537*
	*4110	M. J. WILLIAMS	COVINGTON UNIT	OHARA MCCLOSKEY	25-1S-6E,19,20,29,30, 31,32,33-1S-7E		26912*		1689*		14374*
	345	ZANETIS OIL PROP	STANFORD LEASES	AUX VASES	3,4,10-2N-7E	125*	1673*	5.9*	190*	125*	1673*
	*1908	ZANETIS OIL PROP	P. KELLY 3	SPAR MTN	1-5N-9E		184		8		312
	*1909	ZANETIS OIL PROP	C. HARVEY 2	SPAR MTN	12-5N-9E		457		2		
	*1917	ZANETIS OIL PROP	HINES-OCMS 'A' ETAL	SPAR MTN	4,9-5N-10E		77		14		27
	1921	ZANETIS OIL PROP	KELLER 'A'-PAYNE HRS.	AUX VASES SPAR MTN	5,6-5N-10E	225*	2690*	50.9*	594*	225*	2690*
	*4096	ZANETIS OIL PROP	SHAW	AUX VASES	34-1S-8E		142		12		24
COIL, WAYNE											
	4077	BELL BROTHERS	COIL U	AUX VASES	17,18,19-1S-5E	312	4139	36.4	725	248	1465
	4100	W. C. MCARIOE	YOUNGBLOOD U	AUX VASES	19-1S-5E	116	1698	17.8	362	110	1101
COIL W, JEFFERSON											
	*2011	GULF OIL CO	COIL W U	AUX VASES	14,15,22,23-1S-4E		1319		42*		749*
	*2012	GULF OIL CO	COIL W U	MCCLOSKEY	22-1S-4E		81		*		*
	2026	STONE OIL CO	FARRINGTON	ST LOUIS	24-1S-4E	120	1062	8.1	195	56	377
CONCORD C, WHITE											
	*4281	ABSHER OIL CO	CONCORD UNIT	TAR SPRINGS	28-6S-10E		1169*		251**		339*
	*4208	C. E. BREHM	CONCORD N UNIT	AUX VASES	10-6S-10E		637		66		
	*4228	GT LAKES CARBON	MCCLOSKEY	SPAR MTN	28-6S-10E		233		5		44
	4439	JIM MALEY	TULEY	MCCLOSKEY CYPRESS	21-6S-10E	10*	110*	1.0*	23*	10*	110*
	*4309	HUMBLE O AND R	CONCORD CO-OP	AUX VASES TAR SPRINGS	28-6S-10E		1179		143		379
	*4205	BARRON KIOO	KERWIN-CONCORD	MCCLOSKEY	21-6S-10E		342		12		77
	*4299	D. R. LEAVELL	CONCORD	TAR SPRINGS	21,22,2A-6S-10E		3964		402		1910
	*4331	O. R. LEAVELL	CONCORD	AUX VASES	28-6S-10E		370		55		289
	*4332	O. R. LEAVELL	TULEY	CYPRESS	21,22-6S-10E		1276		57		455
	*4358	O. R. LEAVELL	TULEY	AUX VASES	21-6S-10E		141*		24*		66*
	4206	PHILLIPS PET. CO	KERWIN	CYPRESS AUX VASES SPAR MTN MCCLOSKEY	21-6S-10E	80	3105	8.7	293	84	1939
	*4229	PHILLIPS PET. CO	DALLAS	SPAR MTN	28-6S-10E		247		3		42
	4207	REBSTOCK OIL CO.	TULEY	MCCLOSKEY CYPRESS	21-6S-10E	45*	2547*	3.6*	195*	45*	1743*
	*4325	THUNDERBIRD OIL	N CONCORD U	MCCLOSKEY	HARDINSBURG 9,10-6S-10E		8492		903		5632
CONCORD E C, WHITE											
	*4233	H. E. GARRETT	PEARCE U	CYPRESS	35-6S-10E,2-7S-10E		310*		12*		117*
COOKS HILLS C, COLES, DOUGLAS											
	* 522	CHARLES R. GRAY	COMBES ESTATE	SPAR MTN	24-14N-7E		76		1		
	* 802	CHARLES R. GRAY	LOGAN-MOORE	SPAR MTN	13-14N-7E		61		1		
	* 510	KUYKENOALL ORLG.	BRADLEY WF	SPAR MTN	26,27,34,35-14N-7E		1914		56		875
	* 513	KUYKENOALL ORLG.	EASTON WF	SPAR MTN	27-14N-7E		556		12		243
	* 505	S AND H OIL CO.	COOKS MILLS UNIT	SPAR MTN.	9,15,16-13N-7E		3620		262		2800
	* 508	SCHAEFER OIL CO.	COOKS MILLS U	SPAR MTN	18,19,20,30-14N-8E, 13,24,25-14N-7E		3165		211		954
COROES, WASHINGTON											
	4010	MOBIL OIL CORP.	GILL EST., P.KOZUSZEK	BENOIST	26-3S-3W	389	3759	11.2*	1567*	270	3322
	4000	SHELL OIL CO.	COROES COOP	BENOIST	14,15,22,23-3S-3W	637	27807	52.4	4966	753	31612
CORINTH, WILLIAMSON											
	4504	C. E. BREHM	CORINTH UNIT	AUX VASES	29-8S-4E	72	87	9.4	21		
COVINGTON S, WAYNE											
	*4120	DONALD G. GEARY	HEIDINGER-VOGEL	MCCLOSKEY	13-2S-6E		51		*		
CROSSVILLE W, WHITE											
	*4404	CONTINENTAL OIL	CROSSVILLE WEST U	AUX VASES SPAR MTN MCCLOSKEY	15,16-4S-10E		1199		46		245



in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED													
4142	2910	20.0	18.0	47		09-58		5	7	210	PENN SD, PROD (B)		
	3010	10.0						3	5	40			
4143	2950	16.0	16.0	77		09-58		20	12	1044	PENN SD, PROD (B)		
*4152	3186	14.0	19.0	35		01-61	08-67	14	13	280	PENN SD, PROD (B)		
4153	2992	12.0	19.0	75		05-61		1	2	70	PENN SD, PROD (B)		
4164	2950	15.0	19.0	77		01-63		35	24	1110	PENN SD, PROD (B)		*INCL DROPPED PROJ 4096
	3030	5.0						8	8	400			
4176	2930	23.0	18.0	75		08-64		15	9	880	PENN SD, PROD (B)		
4185	2640	15.0	18.0	75		12-64		2	3	60	PENN SD, PROD (B)		
	2945	15.0						19	20	820			
	3023	5.0						11	12	750			
4187	3005	35.0	18.0	75		12-64		10	7	400	PENN SD, PROD (B)		
	3130	20.0						2	5	200			
4188	3005	35.0	18.0	75		11-64		12	7	640	PENN SD, PROD (B)		
	3100	18.0						4	4	200			
4192						01-75		1	2	40	PRODUCED (B)		
								1	2	40			
*4136	3050	18.0				04-59	12-74	2	2	50	CYPRESS (B)		
*4098	3128	20.0				12-59	06-75	4	7	130+	PENN SD, PROD (B)		*EST +COMBINED TOTAL
*4180	3129	11.0	18.0	75	38.0	11-59	10-66	1	1	40	POND, PROD (M)		
4151	3100	16.0				04-61		4	5	100	PENN SD, PROD (B)		
4162	3094	16.0				02-62		5	8	130	PENN SD (B)		
	3240	10.0						7	18	600			
1926	2760	15.0	15.0	25	40.0	10-71		5	14	620	CYP, PROD (B)		*ESTIMATED
*4110	3200	8.0	14.0	80	38.0	06-55	01-72	12	13	1600	PENN SD, PROD (B)		*ESTIMATED 1967-69 AND DATA 70-71
	3250	6.0	13.0	300				21	20	1900			
345	2900	15.0			37.8	07-64		1	5	20	PRODUCED (B)		*ESTIMATED 1976
*1908	2961	5.0			41.0	11-58	01-70	1	1	40	CYPRESS, PROD (B)		
*1909	2954	6.0			40.4	11-58	10-65	1	1	40	CYPRESS, PROD (B)		
*1917	2810	6.0			40.0	08-64	12-66	1	1	60	CYPRESS, PROD (B)		
1921	2760	25.0	15.5	10	39.4	01-66		6	13	240	PRODUCED (B)		*ESTIMATED 1976
	2855	5.0						4	10	260			
	3265	15.0						2	7	130			
*4096	3118	25.0			40.2	07-68	08-70	2	4	80	PURCHASED (B)		
COIL, WAYNE													
4077	2900	15.2	19.7			01-69		6	5	240	PENN SD, PROD (B)		
4100	2860	13.0	21.0	120		05-66		3	3	90	PENN SD, PROD (B)		
COIL W, JEFFERSON													
*2011	2700	10.0	19.0	160		01-61	10-63	5	4	95	PENN SD, PROD (B)		*INCL 2012
*2012	2880	8.0				01-61	02-63	1	2	30	PENN SD, PROD (B)		*INCL WITH 2011
2026	3000	8.0				06-69		3	7	160	PENN SD, PROD (B)		
CONCORD C, WHITE													
*4281	2279	11.0			36.4	09-59	01-72	4	3	80	PRODUCED (B)		*EST 1965-71+INC PRM PROD 1959-71
*4208	2950	12.0	21.1	218	35.1	10-52	10-62	2	2	40	GRAVEL, PENN SD (M)		
*4228	2980	17.0			37.5	06-53	01-56	3	8	140	GRAVEL BED (F)		
	3020	5.0						3	5	140			
4439	2630	8.0				06-62		1	1	20	PRODUCED (B)		*ESTIMATED
	2980	6.0						1	1	20			
*4309	2260	10.0	20.9	75	36.0	12-60	12-67	2	3	50	SH SD, PROD (M)		
	2890	11.0	20.9	75				1	1	20			
*4205	3003	16.0				01-55	01-59	1	3	30	SH SD (F)		
*4299	2260	15.0	16.0	175	37.0	08-60	07-67	10	10	210	SH SD, PROD (M)		
*4331	2890	21.0	20.0	75	37.5	01-61	10-67	3	4	50	SH SD, PROD (M)		
*4332	2600	12.0	16.0	135	36.5	10-61	10-66	6	3	130	SH SD, PROD (M)		
*4358	2900	15.0			37.3	03-62	01-72	2	1	20	PRODUCED (B)		*NO DATA 1967-1971
4206	2620	12.0			37.0	07-53		1	1	20	SH SD, PROD (M)		
	2890	13.0						5	2	80			
	2980	4.0						1	1	40			
	3020	9.0						1	2	40			
*4229	2960	15.0	15.0	50	36.0	08-53	11-57	1	3	40	SH SD, PROD (M)		
	3020	15.0						1	3	40			
4207	2620	21.0			37.0	07-51		1	2	20	SH SD, PROD (M)		*ESTIMATED SINCE 1969
	2900	22.0						1	3	30			
	3040	5.0						1	2	100			
*4325	2500	12.0	17.5	300	39.0	11-61	01-71	9	9	313	GRAVEL, PROD (M)		
CONCORD E C, WHITE													
*4233	2550	11.0	14.3	92	36.0	12-66	12-74	4	4	90	SH GRAV, PROD (M)		*ESTIMATED SINCE 1970
COOKS MILLS C, COLES, DOUGLAS													
*522	1778	5.0	11.3		37.0	04-63	01-65	2	3	60	SH SD (F)		
*802	1777	12.0	16.0	41		04-63	01-65	2	2	40	SH SD, PROD (M)		
*510	1800	12.0	17.5	195	38.0	04-62	12-68	7	5	140	SH SD, PROD (M)		
*513	1800	12.0	17.5	195	38.0	04-62	11-68	3	1	40	SH SD, PROD (M)		
*505	1800	12.0	17.0	250	36.0	01-61	01-68	8	24	320	RIVER, PROD (M)		
*508	1780	10.0	13.5	160	39.0	11-61	12-72	4	6	400	PENN SD (B)		
COROES, WASHINGTON													
4010	1270	12.0	20.0	250	37.0	09-65		4	9	180	PRODUCED (B)		*INCL PRIM PROD SINCE 9-65
4000	1230	14.0	20.0	250	37.2	08-50		16	21	935	PENN SD, PROD (B)		
CORINTH, WILLIAMSON													
4504		12.0			38.0	11-75		1	4	90	PENN SD (B)		
COVINGTON S, WAYNE													
*4120	3316	4.0				11-57	10-59	1	1	80	CYPRESS, PROD (B)		*NO WF OIL RECOVERED
CROSSVILLE W, WHITE													
*4404	3010	16.0				03-65	03-69	2	5	70	PRODUCED (B)		
	3190	6.0						1	1	100			
	3110	4.0						1	4				

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
DALE C, FRANKLIN, HAMILTON, SALINE											
*1309	C. E. BREHM	WESTBROOK	AUX VASES	1-7S-4E, 6-7S-5E		1015		110			
*1513	C. E. BREHM	CANTRELL U	AUX VASES	4, 5-7S-5F, 33-6S-5E		3007		340		244*	
*1534	C. E. BREHM	HOGAN U	AUX VASES	9, 16-7S-5E		2427		73		276*	
*1544	C. E. BREHM	P. M. SMITH	AUX VASES	33-6S-5E, 4-7S-5F		15A8		275		637*	
*1545	C. E. BREHM	RURAL HILL S	AUX VASES	33, 34-AS-5E, 3, 4-7S-5E		1371		10		93*	
*1552	C. E. BREHM	MOORE U	AUX VASES	29, 30-5S-6E		737		13		104*	
*1553	C. E. BREHM	CROW U	AUX VASES	30, 31-6S-5E		1282		155		101*	
3622	C. E. BREHM	WEST END	AUX VASES	19, 20, 30-7S-5E, 1		7528	212	699	12, 5	148*	1916*
3620	C B C OIL CO	HALEY	AUX VASES	25-7S-4E							
1556	JOE A. DULL	DALE W WF	AUX VASES	29-7S-5E		85*	533*	6, 0*	66*	85*	523*
*1564	DUNCAN LSE+ROY	KNIGHT	AUX VASES	6-7S-5E		20*	556*	1, 5*	55*	20*	224*
*1520	FARRAR OIL CO.	TEDFORD	AUX VASES	9-6S-6F			935		28		
*1525	FARRAR OIL CO.	TEDFORD	AUX VASES	26-5S-6E			436		138*		256*
1566	FARRAR OIL CO.	NW RURAL HILL U	RETHEL	26-5S-6E			62		*		*
1575	FARRAR OIL CO.	URIAM FOSTER	AUX VASES	21-6S-5E		180	1439*	5, 0	324*	150*	494*
*1547	T. W. GEORGE EST.	CANTRELL S, UNIT	AUX VASES	22-6S-5E		75*	335*	12, 6*	40*	75*	335*
1526	HERMAN GRAHAM	J. M. STELLIE	AUX VASES	7, 18-7S-5E			3259		512		1640
1528	HERMAN GRAHAM	DALE-MOODVILL COOP	AUX VASES	27-5S-6E		15*	1758*	1, 3*	124*	15*	1709*
			BETHEL	27-5S-6E			319				
			AUX VASES			20*	5442*	1, 6*	233**	20*	2422**
*1537	HERMAN GRAHAM	NELLIE PORTER	CYPRESS	34-5S-6E			447*		17*		256*
			RETHEL				2495*		255*		1820*
			AUX VASES								
*1510	GULF OIL CO	W RURAL HILL U	AUX VASES	11, 14, 15, 22, 23-6S-5E		10312		1405*		5499*	
*1511	GULF OIL CO	W RURAL HILL U	OHARA	11-6S-5E			695		*		*
*1559	GULF OIL CO	M. E. PARKS 'B'	OHARA	34-6S-5E			179		4		48
*1536	DAVID F. HERLEY	WEST END	AUX VASES	8-7S-5E			2262		283		680*
*1501	INLAND PRODUCERS	N RURAL HILL U	AUX VASES	5, 6, 7, 8-6S-6E			3372		293		1536
*1523	E. M. KAUFMAN	N. RURAL HILL U	AUX VASES	11, 12-6S-5E			1900		119*		1018
*1524	E. M. KAUFMAN	S. E. RURAL HILL U	AUX VASES	18, 19-6S-6E			2312		247*		1492
1549	E. M. KAUFMAN	SW RURAL HILL UNIT	AUX VASES	23-6S-5E		40	190*	3, 0	160*	40	1621*
1563	LADO PETROLEUM	0000-WILSON U	CYPRESS	6-6S-7E		491	15926	14, 3	1373	457	7824
			BETHEL								
			AUX VASES								
1557	MAC OIL COMPANY	BURNETT WF UNIT	AUX VASES	1-7S-5E		24	907	1, 3	69	24	416
*1533	MARATHON OIL CO.	OGLESBY-GRISSWOLD	AUX VASES	17-6S-6E			211		2		16
1561	MARATHON OIL CO.	BRILL UNIT	HARROINSBURG	6-6S-7E		246	9012	8, 5	677	398	5542
			CYPRESS								
			BETHEL								
			AUX VASES								
1565	MARATHON OIL CO.	M. C. MOORE	AUX VASES	26, 34, 35-6S-5E		89	5544	5, 9	271	86	1759
			OHARA								
*1543	MARION CORP	FRIEL	BETHEL	34-5S-6E			3044		255		1592
			AUX VASES								
1548	W. C. MCBRIDE	BENEFIELD-ARNOLO	AUX VASES	16, 21-6S-7E		214	3687	7, 8	235	204	2254
			MCCLOSKEY								
*1502	PHILLIPS PET. CO	CANTRELL U	AUX VASES	5, 6, 7-7S-5E			1814		161		1116
1568	POLLACK BROS.	ADA DIAL #2	OHARA	8-6S-6E		75*	509*	3, 9*	54*	75*	335*
1514	SHELL OIL CO.	RURAL HILL UNIT	AUX VASES	11, 12, 13, 14, 23, 24-AS-5E, 7, 18-6S-6E		130	64073	11, 9	4873	294	43458
			OHARA								
			MCCLOSKEY								
*1512	SHERMAN DRUG	RURAL HILL	AUX VASES	13, 23, 24-6S-5E			5700*		674*		4124*
			OHARA								
*1535	JOE SIMPKINS OIL	BARKER	AUX VASES	24-6S-5E			543		74		261
*1567	JOE SIMPKINS OIL	DALE COOP	AUX VASES	10, 15, 16-6S-5E			200*		15*		135*
*1507	STEWART PRODUCERS	BILL JONES	AUX VASES	8-6S-6E			171		17		4
*1516	STEWART PRODUCERS	CRAOOCK-ARMES	AUX VASES	19-6S-6E			203*		15*		96*
*1531	STEWART PRODUCERS	WILLIAMS HEIRS COOP	AUX VASES	9, 10-6S-6E			272		4		130
*1539	STEWART PRODUCERS	FLANNIGAN U	AUX VASES	28, 29-6S-5E			722		14		142
*1540	STEWART PRODUCERS	HUNGATE U	AUX VASES	28-6S-5E			506		27		116
*1541	STEWART PRODUCERS	BRUMIT U	AUX VASES	6, 7-6S-6E			266		190		151
*1562	STEWART PRODUCERS	JONES 2	AUX VASES	18-6S-6E			291*		93*		105*
*1504	TEXACO, INC.	WEST DALE UNIT	AUX VASES	11-6S-6E			6476		614		3334
*1508	TEXACO, INC.	MOOD-CAREY UNIT	AUX VASES	3-6S-6E			867		*		*
*1509	TEXACO, INC.	MOOD-CAREY UNIT	BETHEL	3-6S-6E			1109		250*		1910*
*1538	TEXACO, INC.	VAUGHAN-BROCKETT COOP	AUX VASES	17, 18-6S-6E			1237		82		728
1560	TEXACO, INC.	DALE UNIT	TAR SPRINGS	1, 2, 11, 12, 13-6S-6E, 5,		1596*	16157	207, 0*	9597*	10098*	119244*
			HARROINSBURG	6, 7, 8, 17, 18, 19-6S-7E			1268				
			CYPRESS				1096*		24062		
			BETHEL				1793*		34635		
			AUX VASES				5411*		93787		
1542	UNION OIL CALIF.	DALE COOP	TAR SPRINGS	36-5S-6E, 31-5S-7F,		964	26754	30, 0	2038	724	12805
			HARROINSBURG	6, 7-6S-7E							
			CYPRESS								
			BETHEL								
			AUX VASES								
3625	PAUL ZIEGLER	WEST END UNIT	AUX VASES	17, 19, 20-7S-5E		75*	2641*	5, 1*	219*	75*	1449*
OEERING CITY, FRANKLIN											
1319	FARRAR OIL CO.	PEABODY COAL	AUX VASES	9-7S-3E		30*	479*	1, 9*	118**	30*	399*
DIVIOE C, JEFFERSON											
2007	DEVON CORP.	PRITCHARD HRS	AUX VASES	20-1S-4E		31	251	5, 9	70	23	106*
2015	DEVON CORP.	OELLA MCCLAVV	AUX VASES	17-1S-4E		22	221	1, 5	28	22	124
*2002	GULF OIL CO	W. D. HOLLOWAY	MCCLOSKEY	21-1S-4E			2707		185		2294
2027	E HOMER JAHN	MINOR UNIT	SPAR MTN	23-1S-3E		*	*	10, 3*	225*		
2021	TEXACO, INC.	WEST DIVIOE U	SPAR MTN	13, 14, 15, 22, 23,		2517	28528	46, 2	1342	1843	19191
			MCCLOSKEY	26-1S-3E							
OU801S C, WASHINGTON											
4007	N. A. BALDRIDGE	KAMINSKI	CYPRESS	7, 8, 17-3S-1W		130*	1230*	8, 1*	135*	130*	850*
4006	E. E. FLIPPIN	KLAYBOR	CYPRESS	17-3S-1W		50*	819*	2, 6*	105*	50*	782*
4001	HARRY HABRY	O O PECK	CYPRESS	20-3S-1W		20*	318*	1, 7*	12*	20*	139*
*4003	HARRY HABRY	PEEK	CYPRESS	20-3S-1W			68		16		5

in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity ("API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
DALE C, FRANKLIN, HAMILTON, SALINE													
*1309	3230	8.0	17.0	150	38.0	08-59	01-70	3	4	80	PENN 30, PROD (R)		
*1513	3150	15.0	17.0	150	39.0	01-59	01-70	11	14	250	CYPRESS, PROD (R)		*1966-67 DATA ONLY
*1534	3300	11.3	19.0	150	38.0	06-62	05-71	2	10	130	PENN 30, PROD (R)		*1965-67 DATA ONLY
*1544	3150	22.0	17.0	200	38.0	03-63	09-73	3	14	170	PENN 30, PROD (R)		*ESTIMATED
*1545	3250	22.0	17.0	200	38.0	04-63	03-68	5	9	150	PENN 30, PROD (R)		*1965-66 DATA ONLY
*1552	3250	14.0			37.0	04-65	06-69	3	7	130	PENN 30, PROD (R)		*THRU 1967 ONLY
*1553	3250	14.0			37.0	04-65	01-73	3	6	110	PENN 30, PROD (R)		*THRU 1967 ONLY
3622	3140	20.0	17.0	150	38.0	06-63		7	36	420	PENN 30, PROD (R)		*ESTIMATED
3620	3130	8.0				11-69		1	4	50	PRODUCED (R)		*ESTIMATED
1556	3260	10.0	18.0	85	38.0	12-65		1	3	80	PENN 30, PROD (R)		*ESTIMATED
*1564	3064	30.0				09-61	01-70	2	4	60	PRODUCED (R)		
*1520	3050	20.0				07-61	12-66	2	1	40	PURCHASED (R)		*INCL 1525
*1525	2957	15.0				07-61	07-63	1	2	30	PURCHASED (R)		*INCL WITH 1520
1566	3200	27.0	17.0	100	38.5	08-69		4	3	40	PRODUCED (R)		*ESTIMATED
1575	3190	18.0				09-71		1	2	30	PRODUCED (R)		*ESTIMATED
*1547	3125	20.0	20.5	122	39.4	09-60	12-68	11	9	220	PENN 30, PROD (R)		
1526	3034	11.0	14.0	120		08-61		2	2	60	PALESTINE, PROD (R)		*ESTIMATED
1528	2950	11.0	14.8	117	37.0	07-61	07-64	6	9	150	PALESTINE, PROD (R)		*ESTIMATED; *INCL BOTH PAYS
	3050	13.0	20.0	116	37.0	07-61		7	4	150			
*1537	2730	12.0	18.0			5-68	06-76	4	4	80	PRODUCED (R)		*FST *BETHEL AND AUX VASES DATA
	2900	20.0	16.0			8-62	9-68	4	4	80			
	3050	10.0	18.0			08-62		4	4	80			
*1510	3100	21.0	19.1	96	37.0	06-59	05-64	24	21	640	CYPRESS, PROD (R)		*INCL 1511
*1511	3173	19.0			40.4	06-59	05-64	2	1	30	PRODUCED (R)		*INCL WITH 1510
*1559	3350	14.0	15.0	35	38.0	08-65	05-67	2	4	60	SH 30 (F)		
*1536	3250	18.0	20.0	340	40.0	12-62	11-68	7	8	150	PENN 30, PROD (R)		*ESTIMATED SINCE 1965
*1501	3125	14.7	23.9		39.0	02-52	04-59	15	16	310	CYPRESS (R)		
*1523	3150	15.0			38.0	01-61	12-67	5	5	110	CYPRESS, PROD (R)		*INCL PRIM PROD SINCE 1-61
*1524	3190	20.0			38.0	09-61	02-70	4	8	120	CYPRESS, PROD (R)		*INCL PRIM PROD SINCE 9-61
1549	3120	15.0			38.0	12-63		5	4	110	PENN 30, PROD (R)		*CUMS, CORRECTED TO 1976 DATA
1563	2710	20.0			37.0	01-65		6	5	200	HARDINSBURG, PROD (R)		
	2875	15.0						5	5	200			
	2950	20.0						5	5	200			
1557	3215	20.0	16.0	65	38.0	03-62		1	3	40	PENN 30, PROD (R)		
*1533	3250	16.0	18.0	80		06-62	12-66	1	1	20	PENN 30, PROD (R)		
1561	2750	4.0				01-65		1	1	20	CYPRESS, PROD (R)		
	3000	20.0						4	4	130			
	3130	20.0						4	4	130			
	3210	15.0						4	4	130			
1565	3315	15.0	18.0	100		06-65		6	7	200	CYPRESS WSW, PROD (R)		
	3350	10.0	14.0	40				1	1	40			
*1543	2940	23.0	15.0	150	39.5	09-62	05-69	1	3	130	PALESTINE, PROD (R)		
	3050	16.0	17.0	100				2	3	130			
1548	3080	15.0	17.0	78		11-63		6	9	240	PENN 30, PROD (R)		
	3220	8.0				1-65	9-73	1	1	20			
*1502	3200	15.0	18.0	75	38.0	08-55	10-62	5	7	130	PENN, PROD (R)		
1568	3102	14.0			37.5	07-70		1	2	30	PRODUCED (R)		*ESTIMATED
1514	3120	20.9	19.0	96	39.4	09-58		46	18	1890	HARD, CYP, PROD (R)		
	3195	10.1	15.0	73				17	27	920			
	3300	12.4	17.0	75				9	13				
*1512	3108	17.5	19.1	97	38.0	05-59	12-70	11	11	250	PURCHASED, PROD (R)		*ESTIMATED 1969-1970
	3192	8.5						1	4	60			
*1535	3200	20.0	19.1	97	38.0	11-62	03-67	2	2	40	GRAVEL BED (F)		
*1567	3170	3.0				08-70	12-71	15	40	640	PENN 30 (R)		*ALL DATA ARE ESTIMATED
*1507	3088	22.0				08-58	07-61	1	2	30	CYPRESS (R)		
*1516	3120	20.0	12.0	90	37.0	09-60	03-69	3	4	80	PURCHASED (R)		*NO DATA 1969
*1531	3090	20.0	12.0	90	37.0	07-61	12-65	2	2	40	MCCLOSKEY (R)		
*1539	3240	20.0	12.0	90	37.0	09-62	06-67	4	6	100	PENN 30, PROD (R)		
*1540	3244	20.0	12.0	90	37.0	12-62	06-67	2	4	60	PENN 30, PROD (R)		
*1541	3180	20.0	12.0	90	37.0	10-59	12-71	3	3	60	CYPRESS 30, PROD (R)		
*1562	3166	20.0	12.0	90	37.0	11-62	01-72	1	2	40	PURCHASED (R)		*INACTIVE 1968-1972
*1504	3050	14.0	17.0	125	38.0	07-51	09-67	6	15	260	PENN 30, PROD (R)		
*1508	3050	26.0	19.0	109	37.0	06-58	12-68	5	8	130	HARDINSBURG, PROD (R)		*INCL WITH 1509
*1509	2950	26.0	17.5	126	37.0	06-58	12-68	5	8	130	HARDINSBURG, PROD (R)		*INCL 1508
*1538	3150	18.0	21.4	149	38.8	03-62	11-68	5	10	180	PENN 30, PROD (R)		
1560	2400	18.5	18.0	52	36.0	07-65		14	14	497	PENN 30, PROD (R)		*ESTIMATED FROM TOTAL INJECTION
	2475	8.5				01-65	07-71	3	4	328			*INCL ALL PAYS
	2680	13.3	15.3	109	36.0	01-65		33	33	2399			
	2900	18.0	13.0	22	36.0	01-65		48	56	3040			
	2980	16.5	17.3	66	37.0	01-65		60	58	3192			
1542	2320	15.0	18.0	150		06-63		1	2	30	PENN 30, PROD (R)		
	2500	16.0						1	2	30			
	2700	15.0						13	16	290			
	2920	22.0						15	15	400			
	3020	25.0						10	10	200			
3625	3150	15.0	18.0	75	37.0	01-56		3	7	110	PRODUCED (R)		*ESTIMATED
DEERING CITY, FRANKLIN													
1319	2800	15.0			38.2	07-61		1	4	50	PRODUCED (R)		*INCL PRIM; *ESTIMATED
DIVIDE C, JEFFERSON													
2007	2612	8.0				08-69		1	2	40	CYPRESS (R)		
2015	2658	20.0			37.8	08-69		1	3	50	CYPRESS (R)		
*2002	2805	6.9	18.0		36.6	05-55	09-65	1	5	60	PRODUCED (R)		*ADJACENT TO ACTIVE WF *EST
2027	2680	12.0				10-65		6	6	60			
2021	2710	6.0	13.0	67	37.0	11-64		1	7	1245	PENN 30, PROD (R)		
	2750	13.0	13.8	1033	37.0			17	16				
DUBOIS C, WASHINGTON													
4007	1250	9.5				01-63		6	16	250	PRODUCED (R)		*ESTIMATED
4006	1250	10.0			37.0	10-61		2	8	40	BENOIST, PROD (R)		*ESTIMATED
4001	1260	10.0				11-68		1	4	50	PRODUCED (R)		*ESTIMATED SINCE 1970
*4003	1232	12.0			37.0	12-59	08-64	1	2	40	TAR SPR, PROD (R)		



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
DUDDLEY, EOGAR											
900 BARR-MOMAN-ROBSN		BABER LSE		L DUDLEY	9-13N-13W	200*	1100*	36.5*	341*	200*	1100*
903 BARR-MOMAN-ROBSN		BABER LSE #2		L DUDLEY	9-13N-13W	70*	293*	5.8*	34*	70*	293*
904 JUDITH NEUMAN		STEIOL		L DUDLEY	3-13N-13W	29	457*	3.0*	32*	29	457*
901 ODIS PATTILLO EST		ZITA MUKILL		L DUDLEY	3-13N-13W	24*	332*	5.7*	59*	24*	332*
902 ODIS PATTILLO EST		A STAUB LSE		L DUDLEY	4-13N-13W	40*	296*	11.6*	92*	40*	296*
EDINBURG W, CHRISTIAN, SANGAMDN											
103 ODN HANKS		EDINBURG W U		SILURIAN	8,16,17-14N-3W	4	1055	11.3	144*	4	687
ELDORADO C, SALINE											
*3614 BUFAY OIL CO		SPRICH-MORCH		WALTERSBURG	35-8S-6E		137		24		
*3610 MAR-KEN OIL CO.		SOUTHWEST U		WALTERSBURG	20,21-8S-7E		6703		663		2897
3611 MAR-KEN OIL CO.		CENTRAL U		WALTERSBURG	15,16,21-8S-7E	1016	20063	29.3	1895	674	3736
3621 MAR-KEN OIL CO.		WEST UNIT		PALESTINE	20-8S-7E	564	2726	29.4	66	56	183
				BETHFL							
				AUX VASES							
3624 LOUIS KAPP		ELDORADO NW		WALTERSBURG	9,16,17-8S-7E	140	530	4.3	22	25*	75*
				AUX VASES							
*3603 FRANK KING		ENDICOTT U		WALTERSBURG	2-8S-7E		221		21		42
*3609 W. C. MCGRIOE		CYP. ELDORADO NE UNIT		CYPRESS	10,15-8S-7E		633		58		127
3612 MISTY OIL CO		VICTOR SUTTNER C		AUX VASES	7-8S-7E	75*	338*	5.0*	63*	75*	404*
3603 THE NELSON CO.		WALT. ELDORADO NE U		WALTERSBURG	10,11,15-8S-7E	239	17505	7.9	1548*	252	7735
3600 SHAKESPEARE OIL		NW ELDORADO U		TAR SPRINGS	8-8S-7E	191	1032	14.7	62	52	179
				MARIONSBURG							
				AUX VASES							
ELDORADO E, SALINE											
*3607 G. L. REASOR OIL		PORTER		AUX VASES	23-8S-7E		373		35		41
ELLERY E, EDWARDS											
*1007 T. E. CROSLLEY		ELLERY EAST UNIT		AUX VASES	27,34-2S-10E		1639*		433**		837**
*1019 T. E. CROSLLEY		ELLERY E U		OHARA	27,34-2S-10E		1673*		+		+
ELLIOTTSTOWN N, EFFINGHAM											
*1101 VIRGIL STREETER		N ELLIOTTSTOWN		MCCLOSKEY	17,20-7N-7E		529*		99*		263*
ENERGY, WILLIAMSON											
4502 A. B. VAUGHN		ENERGY WF		AUX VASES	3,4-9S-2E.	360*	587*	9.6*	68*	360*	483*
ENFIELD, WHITE											
*4209 RICHARD ELSIE		S ENFIELD U 2		MCCLOSKEY	28,29,32-5S-8E		1127		92		345
*4264 RICHARD ELSIE		S ENFIELD U 1		AUX VASES	28,29,32-5S-8E		2288		360*		519
*4292 RICHARD ELSIE		S ENFIELD U 3		OHARA	28,29,32-5S-8E		363		99*		259
EXCHANGE E, MARION											
*2630 FARRAR OIL CO.		EXCHANGE EAST UNIT		SPAR MTN	29-1N-4E		348		51		104
				MCCLOSKEY							
EXCHANGE N C, MARION											
2635 EGO OIL CO		SLAPDUT WF		MCCLOSKEY	7-1N-4E/12,13-1N-3E	344	2338	9.5	459	140	852
EXCHANGE W, MARION											
2623 STONE OIL CO		CHARLETON FLOOD		SPAR MTN	4-1N-3E	68	833	12.2*	149*	26	239
FAIRMAN, CLINTON, MARION											
* 413 PAUL WAITE		DUOMB-KREITLER		BENDIST	13,24-3N-1W		1494**		252**		1494**
FLORA S, CLAY											
* 331 DONALD G. GEARY		GIVEN-MCGREW U		MCCLOSKEY	4-2N-6E		70		4*		7
FRIENDSVILLE N, WABASH											
*3998 O. LOEFFLER ESTATE.		FRIENDSVILLE NORTH U		BIEHL	12-1N-13W		379		99		99
*3945 MOBIL OIL CORP.		LITHELAND		BIEHL	1,2-1N-13W		623		142*		232
*3953 J. W. SANDERS		FRIENDSVILLE N U		BIEHL	1-1N-13W		*		7		*
FROGTOWN N, CLINTON											
409 ELMER OELZE		SCHROEDER		SILURIAN	31-3N-3W	*	*	10.1*	65*		
GARD'S POINT, WABASH											
3853 BELL BROTHERS		TALLEY		OHARA	23-1N-14W	*	*	5.3*	33*		
3952 WALKER ORLG CO.		GARD'S POINT UNIT		OHARA	23,26-1N-14W	205*	1105*	10.9*	74*	205*	570*
GERMANTOWN E, CLINTON											
+ 406 NAT. GAS PIPELINE		GERMANTOWN		SILURIAN	36-2N-4W, 1-1N-4W	172*	4323*	12.0	1201	172*	4323*
GILA, JASPER											
*1916 SCHAEFER OIL CO.		GILA		MCCLOSKEY	28,32,33-5N-9E		3194		418		1760
GOLDENGATE C, EDWARDS, WAYNE, WHITE											
*4412 AMERICAN PUMP		POLLARD UNIT		AUX VASES	21,27,28-3S-9E		2174		109		1085
*4124 CITIES SERVICE		KLETZKER U		AUX VASES	4-3S-9E		102		1		10
*4128 CITIES SERVICE		GOLDENGATE U		MCCLOSKEY	28,32,33-2S-9E		926		7		231
*4155 CULLUM OIL CO.		PETTIGREW-PIERCY UNIT		AUX VASES	24-2S-9E		262*		14*		122*
*4154 ALVA C. OAVIS		BUNNAGE-WOODS U		AUX VASES	13,24-2S-9E		631*		95*		130*
*4145 OUNCAN LSE+ROY		SCOTTSVILLE		BETHFL	23,26-2S-9E		751		254		
4139 FAIRFIELD OIL CO		POND CREEK WF UNIT		AUX VASES	29,30,31,32-2S-9E	36	8355	10.3	587	36	2377
*4374 GULF OIL CO		GOLDENGATE UNIT		AUX VASES	34,35-3S-9E, 3-4S-9E		7279		656		3699
				SPAR MTN							
				MCCLOSKEY							
*1027 ILL. LSE, OP.		CHALCRAFT-HORN		AUX VASES	20-2S-10E		79		14		5
4083 ILL. MID-CONT.		SOUTH ELLERY UNIT		AUX VASES	24,25-2S-9E	350*	4245*	22.9*	308*	350*	2483*
				SPAR MTN	19,30-2S-10E						
				MCCLOSKEY							
4123 MERRMAN LDB		GOLDENGATE UNIT		AUX VASES	32,33-2S-9E	20*	338*	0.9*	55*	20*	85*
				OHARA			1515**		203**		655**
*4375 MARCH ORLG CO.		GOLDENGATE		AUX VASES	3-4S-9E		109		27		107

## in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
DUOLEY, EOGAR													
900	420	18.0	20.0	30	28.3	08-67		3	15	100	PRODUCED (B)		*ESTIMATED
903	410	12.0	20.0	30	29.0	02-72		1	8	80	PRODUCED (B)		*ESTIMATED
904	420	15.0				05-67		1	4	40	PRODUCED (B)		*EST +INCL PRIM PROD
901	410	30.0				03-67		1	3	40	PRODUCED (B)		*ESTIMATED
902	400	25.0				03-67		1	7	70			*ESTIMATED
EOINBURG W, CHRISTIAN, SANGAMON													
103	1700	15.0			8.0	11-61		5	20	230	PRODUCED (B)		*INCL PRIM PROD SINCE 10-54
ELOORADO C, SALINE													
*3614	2050	11.0	15.0	150	38.0	09-64	12-68	1	1	10	PALESTINE SD (H)		
*3610	2130	16.0	17.0	225	38.0	05-63	01-74	5	23	290	PENN SD, PROD (R)		
3611	2150	20.0	17.0	225	38.0	05-63		5	4	520	PENN SD, PROD (R)		
3621	1900	15.0	17.0			2-72		4	6	100	PENN SD, PROD (R)		
	2700	5.0	11.0					1	1	20			
	2900	10.0	15.0		32.6			3	4	100			
3624	2330	15.0				06-71		4	5	100	PRODUCED (B)		*ESTIMATED
	2900	12.0						3	3	100			
*3603	2090	7.0	13.0	100		04-59	10-63	1	4	60	PENN SD (R)		
*3609	2560	12.0	18.0	80	38.0	12-62	08-68	3	3	60	PENN SD, PROD (R)		
3612	2922	8.0			35.4	09-63		1	2	40	PENN SD (R)		S.O. 4-65, REACTIVATED 7-66 *EST
3608	2200	22.0	19.0	200	38.0	08-63		6	7	540	PENN SD, PROD (R)		*SINCE 11-62
3600	2200	10.0			36.9	05-70		1	1	30	PRODUCED (R)		
	2314	8.0						2	2	40			
	2900	7.0						3	4	80			
ELOORADO E, SALINE													
*3607	2900	7.0			37.0	01-61	12-65	7	9	210	PALESTINE SAND (B)		
ELLERY E, EDWARDS													
*1007	3170	10.0	17.7	26		12-57	06-67	3	3	260	SH SD, PROD (M)		*NO DATA 1966-67 +INCL 1019
*1019	3240	6.0				12-57	06-67	1	3	260	SH SD (F)		*NO DATA 1966-67 +INCL WITH 1007
ELLIOTSTOWN N, EFFINGHAM													
*1101	2700	6.0				12-66	12-72	2	10	220	TAR SPR, PROD (R)		*ESTIMATED 1968-72
ENERGY, WILLIAMSON													
4502	2354	20.0			40.0	10-71		1	9	130	PRODUCED (B)		*ESTIMATED 1976
ENFIELD, WHITE													
*4209	2945	4.6			36.6	10-56	03-68	2	1	60	SH SD, PROD (M)		
*4264	2810	8.4	21.5	142	36.0	02-54	03-68	3	3	180	PRODUCED (B)		*INCL PRIM PROD
*4292	2874	5.0			37.5	08-56	10-65	1	1	40	PRODUCED (R)		*INCL PRIM PROD SINCE 8-56
EXCHANGE E, MARION													
*2630	2775	10.0				05-66	07-70	1	2	80	CYPRESS		
	2840	5.0						1	3	80			
EXCHANGE N C, MARION													
2635	2709	15.0	11.7	200	36.2	11-66		4	9	280	WELL (B)		
EXCHANGE W, MARION													
2628	2572	12.0				11-66		2	10	150	PRODUCED (B)		*INCL PRIM PROD
FAIRMAN, CLINTON, MARION													
* 413	1450	8.0	21.0	357	38.0	03-59	01-76	4	9	130	PRODUCED (B)		*NO DATA 1971-74; +ESTIMATED
FLORA S, CLAY													
* 331	2492	12.0				10-59	05-61	1	1	40	SH SD, PROD (M)		*ESTIMATED
FRIENDSVILLE N, WABASH													
*3998	1650	10.0	15.0	35	33.0	05-62	01-71	4	3	60	SH SD (F)		
*3945	1620	12.5	16.0	81	35.6	07-47	09-57	2	3	60	SH SD (F)		*INC PRIM PROD
*3953	1631	10.0			36.6	08-57	12-61	*	2	40	SH SD (F)		*DUMP FLOOD, N.A.; +ESTIMATED
FROGTOWN N, CLINTON													
409	2240	18.0				03-68		3	8	140	PRODUCED (B)		*SWO, NO INJ DATA; +ESTIMATED
GAROLD'S POINT, WABASH													
3853	2860	10.0				06-71		*	3	60			*ADJACENT TO ACTIVE WF +EST
3852	2880	8.0				06-71		2	8	160	PRODUCED (B)		*ESTIMATED
GERHANTOWN E, CLINTON													
+ 406	2300	60.0			39.4	09-56		2	13	300	PRODUCED (B)		*ESTIMATED
GILA, JASPER													
*1916	2835	6.9	12.5	276	39.0	09-63	09-70	4	17	437	GRAVEL, PROD (M)		
GOLDENGATE C, EDWARDS, WAYNE, WHITE													
*4412	3250	12.5	21.0	100	37.4	01-63	04-73	4	9	150	PENN SD, PROD (B)		
*4124	3242	10.0	15.0	10		08-56	10-58	1	2	30	CYPRESS, PROD (B)		
*4128	3308	8.0			34.0	10-53	07-57	2	8	159	GRAVEL BED (F)		
*4155	3270	11.0			39.5	11-62	01-71	2	4	60	PENN SD, PROD (R)		*ESTIMATED 1967-70
*4154	3250	14.0			39.3	05-62	12-70	5	4	90	PRODUCED (B)		*INCL DROPPED PROJ 3600
*4145	3100	9.0			39.8	01-59	01-64	8	7	130	SH SD, PROD (M)		
4139	3220	20.0	15.0	150	38.5	05-60		2	6	600	SH SD, PROD (M)		
*4374	3300	15.0	18.0	101	38.9	03-63	04-67	29	10	560	PENN SD, PROD (M)		
	3400	12.0	13.0	184				25	12	560			
	3458	10.0	10.0	102				19	10	560			
*1027	3222	8.0	22.3			12-62	04-65	1	3	40	PENN SD (B)		
4083	3260	13.5	15.0	8	39.5	09-71		3	4	530			*ESTIMATED
	3370	7.0	12.5	55	39.5	01-66		2	4	240	PENN SD, PROD (B)		
	3395	6.5	12.5	350				2	4				
4123	3200	12.0	16.0	100	38.0	09-65		3	1	40	GRAVEL BED (F)		*EST; INCL ALL PAYS; +OHARA AND
	3260	9.0	15.0	30	36.0	08-56		3	2	70			SPAR MTN CO-MING 8-56 TO 12-75;
	3275	6.0	15.0	30									*AV 1965-74, ALL PAYS 1975-76
*4378	3310	21.0	18.5	51	39.5	05-63	12-65	1	1	20	PENN SD, PROD (B)		



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
GOLOENGATE C, EDWARDS, WAYNE, WHITE CONTINUED											
	4143	POOL OIL CO.	W. ELLERY	AUX VASES	15,22,23,27-28-9E		2546*				
				OMARA		45*	2911*	2.6*	435**	45*	1399**
				SPAR MTN			268*				
*4138	SKILES OIL CORP.	O'DANIEL U		BETHEL	26-28-9E		215		26		24
*4377	TEXACO, INC.	J. MANCOCK COOP		AUX VASES	21-33-9E		680		25		275
*4189	M. J. WILLIAMS	GOLOENGATE EAST UNIT		BETHEL	25,26-23-9E		163*		30*		104*
				AUX VASES			163				
GOLOENGATE N C WAYNE											
	4066	NOAM PET	GOLOENGATE NORTH UNIT	AUX VASES	17-23-9E	93	663*	5.8	84*	46	170*
HALF MOON, WAYNE											
4168	COLLINS BROS.	HALF MOON UNIT		HCCLOSKEY	28-13-9E	90*	5154*	3.6*	187*	90*	2425*
4160	JUNIPER PETROLEUM C	HALF MOON U		OMARA	26,34,35-13-9E	267	7228	17.3	725	161	2689
MARCO, SALINE											
3619	COLLINS BROS.	MARCO U		AUX VASES	16-83-5E	400*	3164*	19.7*	208*	390*	1827*
3613	LOGREE CORP.	MARCO WEST POOL UNIT		AUX VASES	29-83-5E	12	638	1.8	66		
MARCO E, SALINE											
*3601	SUN OIL CO.	MARCO WF UNIT		CYPRESS	25-33-5E		84		3		37
*3602	SUN OIL CO.	MARCO WFPD		AUX VASES	24,25,26-83-5E		334		30		112
HARRISBURG, SALINE											
*3606	W. C. MCBRIDE	HARRISBURG NORTH		WALTERSBURG	34-83-6E		1597		16		136
HERALO C, GALLATIN, WHITE											
*1419	ASHLAND O AND R	SOUTH NEW HAVEN UNIT		TAR SPRINGS	29,30-73-10E		1538		229		707
4210	C. E. BREHM	HERALO W. U.		WALTERSBURG	28,33-63-9E	176	3345	21.2	748		
*4304	C. E. BREHM	NEW HAVEN U		AUX VASES	18-73-10E		88		19		
1444	COLLINS BROS.	HERALO E UNIT		TAR SPRINGS	23,24,25,26-73-9E	250*	1500*	15.9*	142*	350*	787*
				AUX VASES							
*1405	CONTINENTAL OIL	COTTONWOOD N U		CYPRESS	21,28-73-9E		5613		1045*		2114
*1431	CONTINENTAL OIL	COTTONWOOD TAR SPR		TAR SPRINGS	6-73-9E		179*		30		45
1430	JOE A. OULL	HERALO E U		AUX VASES	24-73-9E/19-73-10E	34*	1568*	1.2*	155*	34*	432*
1433	JOE A. OULL	GLOVER-NEVILLE		AUX VASES	24-73-9E	200**	750**	19.8*	84*	200*	750*
*4340	INO. FARM BUR.	NEW HAVEN WF		AUX VASES	17,18-73-10E		786		79		14*
4400	PAUL S. KNIGHT	MARRELL-KNIGHT-WILLMS		TAR SPRINGS	14-73-9E	450*	1914*	29.2*	210*	420*	1747*
4360	LAO PETROLEUM	BAYLEY U		PENNSYLVNIN	11-73-9E	402	7858	5.1	321	79	3236
				CLORE							
				TAR SPRINGS							
				CYPRESS							
				AUX VASES							
4365	LAO PETROLEUM	HERALO COOP		AUX VASES	10-73-9E	*	1361	1.9*	130*	40*	970*
*4359	LIVINGSTON OIL	CALVERT 'A'		AUX VASES	4-73-10E		31				
*4291	W. C. MCBRIDE	BAYLEY		PENN	3-73-9E		393*		27		129
				CYPRESS							
*4212	Q. B. MITCHELL	BAYLEY U		CYPRESS	2-73-9E		491		21		35
*4211	DENNIS PAINE	ACKERMAN UNIT		AUX VASES	4-73-10E		462		63		
4382	BERNARD POOLSKY	BAYLEY UNIT		WALTERSBURG	13,24-73-9E	13*	1189*	0.4	202	20	599
4383	BERNARD POOLSKY	GRANT AUX VASES UNIT		AUX VASES	13-73-9E	*	424*	0.8	62	4	170
4389	BERNARD POOLSKY	CLARK UNIT		AUX VASES	4,5,8,9-73-10E	*	1254*	3.0	107	16	368
4423	BERNARD POOLSKY	L.O. AUSTIN		WALTERSBURG	28-63-9E	*	*	4.7*	108*	30*	560*
4427	SANDS OIL CO.	HERALO NW UNIT		WALTERSBURG	27,28-63-9E	30*	498	13.5*	105*	30*	358
4343	SHAKESPEARE OIL	QUESTELL COOP		PENNSYLVNIN	11-73-9E	29	566	4.0	132*	13	115
4355	DOON W. SLATER	HERALO U		CYPRESS	27,33,34-63-9E, 4-73-9E	90*	5461*	5.9*	741*	90*	2054*
*4364	TAMARACK PET.	HERALO U		PENN	34-63-9E/2-73-9E		343		17		17
HICKORY HILL, MARION											
*2625	EAGLE SUPPLY CO	HALFACRE		RENOIST	27-1N-4E		114		17		131
HILL E, EFFINGHAM											
1120	PARTLOW, COCHNOR	MORATH,POYNTER,GADDOEY		CYPRESS	1,12-6N-6E	30*	1425*	2.2*	95*	30*	1425*
1121	PARTLOW, COCHNOR	BROWN,WOOD-BROWN		SPAR MTN	10,11-6N-6E	10*	3730*	1.5*	250*	10*	3730*
*1105	WICHITA INDUSTRIES	HILL EAST UNIT		CYPRESS	11,12,13,14-6N-6E		3185		154		1100
MORO, CLAY											
351	JET OIL CO.	CONNERLY-SCHROLL		AUX VASES	14-5N-6E	14*	172*	2.2*	37**	14*	107*
				STE GEN							
MORO S C, CLAY											
* 332	SHIRK, WEBSTER	SOUTH MORO UNIT		STE GEN	26,27,34,35-5N-6E		8908		748		6707
* 337	SHIRK, WEBSTER	ZINK UNIT		STE GEN	26,35-5N-6E		1571		77		462
INA, JEFFERSON											
*2008	KEWANEE OIL CO.	JEFF-KARBER-THREL B		RENAULT	23-4S-2E		2317		238		2535
				MCCLOSKEY			1130				
INGRAMAH, CLAY											
326	BUFAY OIL CO	SAILOR SPRINGS EAST U		SPAR MTN	5,6-4N-8E	34	72*	8.4	20*	2*	4*
* 320	HUMBLE O AND R	INGRAMAH U		SPAR MTN	4,9-4N-8E		2563		310		1543
INMAN E C, GALLATIN											
1436	AUTUMN OIL CO	EGLI		TAR SPRINGS	20,21,23,29-73-10E	155**	2360**	9.1**	297**	155**	1231**
				CYPRESS							
*1422	CRAWFORD PROO	BLACK		WALTERSBURG	2-83-10E		682*		115*		186*
*1909	FARRAR OIL CO.	E INMAN		TAR SPRINGS	33,34-73-10E,2,3,10-		24228		3550		
				CYPRESS	83-10E						
*1406	HUMBLE O AND R	BIG BARN		CYPRESS	11-83-10E		226		83		27
1403	MIO-STATES OIL PROP	WEST UNIT		PALESTINE	9,10,15,16,21, 22-83-10E	350*	28659*	21.0*	3347*	350*	9641*
				WALTERSBURG							
				TAR SPRINGS							
				HARLINSBURG							
				CYPRESS							

in Illinois, 1976 - continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
Project no.								Inj.	Prod.				
GOLOENGATE C, EDWARDS, WAYNE, WHITE													
CONTINUED													
4148	3240	10.0				09-61	06-70	4	6	80	SH GRAVEL (F)		*ESTIMATED; +INCL ALL PAYS
	3270	15.0				09-61		4	9	400			
	3310	9.0				09-61	05-70	1	2	60			
*4138	3097	10.0			37.0	01-59	06-63	2	2	40	SH SO, PROD (M)		
*4377	3240	15.0				01-63	12-66	2	3	60	PENN SO, PROD (B)		
*4189	3080	10.0			39.0	07-65	06-71	1	2	30	PENN SO (B)		*EST 1964-70; NO DATA 1971
	3206	17.0						1	4	60			
GOLOENGATE N C WAYNE													
4066	3250	15.0				07-71		4	5	100	PRODUCED (B)		*CUMS CORRECTED TO 1976 DATA
HALF MOON, WAYNE													
4168	3300	10.0			40.4	12-62		6	9	470	GRAV BED, PROD (M)		*ESTIMATED
4160	3280	10.0	11.0	124	40.0	01-62		7	10	440	SH SO (F)		
MARCO, SALINE													
3619	2900	15.0				10-69		5	15	230	PRODUCED (B)		*ESTIMATED
3613	2900	5.2	17.8	39	40.0	10-65		3	1	80	CYPRESS, PROD (B)		
MARCO E, SALINE													
*3601	2550	9.0				07-59	08-61	1	2	30	PENN SO, PROD (B)		
*3602	2850	8.0				07-59	09-62	2	9	120	PENN SO, PROD (B)		
HARRISBURG, SALINE													
*3606	2020	10.0	18.0	140	38.4	07-58	11-68	3	5	60	PENN SO, PROD (B)		
MERALO C, GALLATIN, WHITE													
*1419	2150	14.0	16.5	400	35.8	12-61	03-70	5	3	92	GRAV BED, PROD (M)		
4210	2325	20.0	20.0	50	37.0	01-55		7	12	200	PENN SO (B)		
*4304	2900	15.0	15.0	100	38.0	02-60	12-65	4	3	70	RIVER (F)		
1444	2315	10.0			39.0	08-69		4	5	120	CYPRESS (B)		*ESTIMATED
	2950	15.0						3	15	200			
*1405	2650	12.0	15.0	80		12-57	04-69	6	15	400	CLORE, PROD (B)		*INCL PRIM PROD SINCE 12-57
*1431	2260	15.0	12.0	30	37.8	10-63	12-68	1	1	40	CLORE, PROD (B)		*INJ STOPPED 4-67
1430	2900	10.0	17.0	150	38.0	08-63		5	2	180	PALESTINE, PROD (B)		*ESTIMATED
1433	2900	8.0	12.0	37	38.0	11-63		2	9	110	PRODUCED (B)		*INJ PROD WATER SINCE 1-69 +EST
*4340	2870		14.0	10	35.3	02-60	12-67	4	3	250	SH SO, PROD (M)		*EST SINCE 1-62
4400	2260	11.0				10-70		2	6	100	PALESTINE, PROD (B)		*ESTIMATED
4360	1550	15.0	14.0	50		01-62		1	1	20	PENN SO, PROD (B)		
	2050	15.0						3	6	90			
	2280	10.0						4	5	90			
	2630	22.0						2	2	40			
	2880	14.0						7	9	190			
4365	2900	13.0	18.2	100	37.0	05-62		2	6	70	PENN SO, PROD (B)		*NO INJ ADJ. TO 4360 +EST 1974-76
*4359	2920	12.0			36.8	05-62	07-64	1	1	20	SHALLOW WELL (F)		
*4291	1520	15.0	14.6	52		11-69	01-76	2	3	50	PENN SO, PROD (B)		*INJ, CURTAILED 6-75
	2700	10.0						2	3	50			
*4212	2715	15.0	14.9	58	39.0	09-57	08-62	2	4	60	PALESTINE (B)		
*4211	2890	23.0				02-56	01-71	2	2	40	GRAVEL BED (F)		
4382	2300	8.9	20.0	200	38.5	01-63		2	2	60	PAL SO, PROD (B)		*INJ, SUSPENDED JAN, 1976
4383	2930	9.7	19.0	100	34.8	08-63		2	4	100	PAL SO, PROD (B)		*INJ, SUSPENDED JAN, 1976
4389	2890	8.0	18.0	75	36.0	10-64		8	6	180	RIVER GRAV, PROD (M)		*INJ, SUSPENDED OCT, 1974
4428	2310	30.0				01-55		*	6	60			*ADJ TO ACTIVE WF; +EST
4427	2320	12.0				01-71		1	5	60	PRODUCED (B)		*ADJ. TO ACTIVE WF SINCE 68; +EST
4348	1425	13.0	19.0	46	33.5	01-62		1	3	59	PENN SO, PROD (B)		*INCL PRIM PROD SINCE 1-62
4355	2675	11.4	16.2	52	38.0	06-62		20	20	420	PENN SO, PROD (B)		*ESTIMATED
*4364	1550	8.0	15.1	15		01-62	12-64	3	3	120	PENN SO, PROD (B)		
HICKORY HILL, MARION													
*2625	2640	10.0			36.0	10-65	01-72	1	1	20	PRODUCED (B)		
HILL E, EFFINGHAM													
1120	2460	6.0				08-59		1	5	60	PRODUCED (B)		*ESTIMATED
1121	2690	6.0				01-61		1	7	170	PRODUCED (B)		*ESTIMATED
*1105	2460	13.0	18.0	100	40.0	12-59	12-64	3	15	150	SH SO, PROD (M)		
MORO, CLAY													
351	2710	15.0				10-65		1	2	20	PRODUCED (B)		*EST. + INCL PRIM, SINCE 1965
	2780	10.0						1	1	30			
MORO S C, CLAY													
*332	2790	8.6	15.0	862	36.1	09-58	06-70	3	12	340	RIVER, PROD (M)		
*337	2790	5.2	15.8	835	38.0	08-62	06-70	6	4	250	RIVER, PROD (M)		
INA, JEFFERSON													
*2008	2640	10.0	22.0	96	37.0	12-60	12-69	3	3	120	PENN SO, PROD (B)		
	2770	8.0	13.0	25			12-69	4	3	140			
INGRAM, CLAY													
326	2990	10.0				1-75		1	5	140	CYPRESS (B)		*EST; +CUMS CORRECTED TO 76 DATA
*320	3000	5.1	14.2	2450	38.0	12-56	12-60	9	17	297	PENN SO, PROD (B)		
INMAN E C, GALLATIN													
1436	2175	12.0	18.5	325	36.8	04-64		3	4	110	SH SO, PROD (M)		*INCL BOTH PAYS +ESTIMATED
	2499	21.0	16.5	212				4	4	130			
*1422	1975	15.0			37.0	01-59	12-67	1	3	50	PRODUCED (B)		*1965-67 ESTIMATED
*1409	2150	14.0	17.5	150	37.7	03-54	12-64	33*	35*	700*	GRAVEL BED (F)		
	2440	10.0	16.8	50	38.0			23*	24*	500*			
*1406	2400	5.9	16.5	58	38.0	04-54	12-66	3	1	30	SH SO, PROD (M)		*ESTIMATED 1968-76
1408	1750	10.0	19.0	200	36.5	07-56		2	2	40	GRAVEL BED, PROD (M)		
	1980	15.0			37.2			8	8	160			
	2160	18.0			36.8			5	5	100			
	2200	14.0			36.5			10	10	220			
	2380	24.0			34.4			38	36	750			

TABLE 11. Waterflood operations

Field, County Project no. * = ABD. + = P. M.	General information				Production and injection statistics (M bbl)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
INMAN E C, GALLATIN CONTINUED										
*1420 JOE SIMPKINS OIL	HAVEN		AUX VASES	28,32-7S-10E		182		2		
*1426 E. G. WELKER	EGYPTIAN TIE, TIMBER		WALTERSBURG	21-8S-10E		515*		61*		149*
			MARDINSBURG							
1407 WESTERN OILS, LTO	KERWIN-CRAWFORD		CYPRESS							
			DEGONIA	11,14-8S-10E	100	2100**	9.1*	2136*	100*	5574*
			CLOKE							
			PALESTINE							
			WALTERSBURG							
			TAR SPRINGS							
			CYPRESS							
1411 WESTERN OILS, LTO	J A WILLIAMS		MCCLOSKEY							
1429 WESTERN OILS, LTO	SOUTH INMAN UNIT		TAR SPRINGS	27-7S-10E	+	170**	1.2*	19*	10*	253*
			WALTERSBURG	21,22-8S-10E	+	2460**	1.4*	133*	10*	1352*
			CYPRESS							
INMAN W C, GALLATIN										
1410 ASHLAND O AND R	RISTER-MOYE U		TAR SPRINGS	15-8S-9E	12	790	0.8	98*	10	196
			CYPRESS							
1440 ASHLAND O AND R	WEST INMAN U*		TAR SPRINGS	11,12,14-8S-9E	357	3051	19.8	326	154	1245
			MARDINSBURG							
			CYPRESS							
1428 T. L. CLARK	HISH-STAUB UNIT		RIEHL	21-8S-9E	21*	73*	2.0*	23*	21*	53*
1442 FARRAR OIL CO.	POND U		CYPRESS	26,27-8S-9E	64	1127	13.9	212	59	606
			AUX VASES							
*1402 GULF OIL CO	INMAN W U		CYPRESS	15,16-8S-9E		2890*		425*		499*
*1403 GULF OIL CO	INMAN WU		TAR SPRINGS	15,16-8S-9E		*		*		*
1435 JUNIPER PETROLEUM C	RIDGWAY E UNIT		WALTERSBURG	14,22,23,27-8S-9E	161	1690	12.7	217	89	795
			CYPRESS							
1424 OIL MANAGEMENT INC	ORONE-RIDER-MINER		CYPRESS	27-8S-9E	8*	335*	1.1*	48*	8*	99*
1450 OENNIS PAINE	WILLIAMS		MARDINSBURG	12-8S-9E	*	*	1.2*	34*		
			CYPRESS							
*1404 PHILLIPS PET. CO	LEVERT		CYPRESS	3-8S-9E		8				
*1415 REBSTOCK OIL CO.	INMAN W		TAR SPRINGS	13,24-8S-9E		1408		79		764
1427 REBSTOCK OIL CO.	SCHMITT 'A'		PENNSYLVNIN	15-8S-9E	45*	2469*	2.7*	46*	45*	346*
*1401 SABER OIL CO	BRADELY UNIT		RIEHL	17-8S-9E		512*		169*		217*
1453 SHAKESPEARE OIL	RIDGWAY UNIT		CYPRESS	26-8S-9E	33*	5162*	1.5*	259*	33*	5162*
			AUX VASES							
1425 JOE SIMPKINS OIL	INMAN WEST UNIT		TAR SPRINGS	1,12-8S-9E,6,7-8S-10E	100*	2547*	19.3**	847**	320**	3041**
			MARDINSBURG		80*	1366*				
			CYPRESS		140*	3817*				
1449 JOE SIMPKINS OIL	NORTH INMAN UNIT		AUX VASES	31-7S-10E,6-8S-10E	250*	620*	14.1*	36*	160*	350*
1451 JOE SIMPKINS OIL	DOWNEN-MURPHY		AUX VASES	1,2-8S-9E	25*	205*	2.2*	12*	25*	205*
1400 TARTAN OIL CO.	GOEBEL-MC GUIRE-RIDER		AUX VASES	19-8S-10E	108*	508*	6.3*	61*	108*	508*
*1423 ZANETIS OIL PROP	SLATON		MARDINSBURG	11-8S-9E		283*		25		121*
			CYPRESS							
IOLA C, CLAY, EFFINGHAM										
378 CULLUM OIL CO.	MC GEE-MOSS		AUX VASES	22-5N-5E	25*	1065*	1.7*	60*	25*	1065*
1112 GETTY OIL CO	BURK ROYALTY U		RETHEL	27,34-6N-5E	775	6332	9.7	187	244	2091
			AUX VASES							
* 357 JARVIS BROS.	LIGGETT		SPAR MTN							
1113 KARCHMER PIPE	ERVIN-ETCHASON		AUX VASES	17-5N-5E		201		31		201
			RETHEL	34,35-6N-5E	70*	805*	3.6*	145*	70*	805*
			AUX VASES							
1110 LAOD PETROLEUM	S MASON U		BENOIST	26,27,34,35-6N-5E	827	7955	65.6	690	511	3752
			AUX VASES							
1111 LAOD PETROLEUM	KINGWOOD JARVIS U		SPAR MTN							
			BENOIST	34,35-6N-5E	944	9757	40.6	591*	749	5794
			AUX VASES							
1119 E. M. SELF	WRIGHT		SPAR MTN							
			AUX VASES	27-6N-5E	350*	1353*	20.6*	122*	350*	1195*
303 SHAKESPEARE OIL	IOLA COOP*		SPAR MTN							
			TAR SPRINGS	14,15-5N-5E	531	19641*	17.5	1360*	531	13564*
			CYPRESS							
			BETHEL							
			BENOIST							
			AUX VASES							
* 322 TEXACO, INC.	IOLA COOP		BENOIST	14,15-5N-5E		1589		55		*
* 323 TEXACO, INC.	IOLA COOP		AUX VASES	14,15-5N-5E		3363		85		
335 TEXACO, INC.	IOLA S. U.		AUX VASES	22-5N-5E	119	3456	3.5	229*	127	3096
376 TEXACO, INC.	FENDLER, PRATHER, SPURLIN		AUX VASES	2,11-5N-5E	326	1400	13.2	104	281	963
			SPAR MTN							
IRVINGTON, WASHINGTON										
4020 CULLUM OIL CO.	MOLSMER-MASCHOF-ERBES		CYPRESS	9,10-1S-1W	95*	1075*	5.6*	92*	95*	1075*
			BENOIST							
4019 FEAR AND DUNCAN	RAMN-BRINK		BENOIST	14,15,22,23-1S-1W	265*	4065*	14.9*	281*	265*	4065*
4002 MARK MAZZARINO	ARNING-KASTEN-REICHMANN		CYPRESS	9-1S-1W	260*	2270*	12.3*	224*	260*	2270*
4009 W. C. MCBRIDE	BROWN UNIT		CYPRESS	23-1S-1W	126	1442	12.0	223	126	1327
			BENOIST							
4015 FRED SEIP	TIEMAN & BUML		BENOIST	23-1S-1W	450*	7240*	24.1*	447*	450*	7240*
4004 GEORGE THOMPSON	C. KOELLING		BENOIST	15-1S-1W	335*	2268*	14.1*	271*	335*	1928*
IUKA, MARION										
2613 TEXACO, INC.	IUKA		MCCLOSKEY	10,15-2N-4E	*	*	5.4	92	23	462
JOHNSON N, CLARK										
* 204 F. A. BRIDGE OIL	BLOCK 'A'		CASEY	2-9N-14W		5731*		247*		2713*
* 205 F. A. BRIDGE OIL	BLOCK 'B'		CASEY	35,36-10N-14W		1118*		59*		338
207 NATIONWIDE ENERGY	N JOHNSON		CLAYPOOL	10,11,15-9N-14W	240*	19934*	12.0*	1079*	240*	14975*
			CASEY							
			PARTLOW							
* 211 E. A. OLOFIELD	V. JONES		CASEY	1,3-9N-14W		75		1		2
203 TALBOTT & SONS	N JOHNSON WF		CASEY	2-9N-14W	150*	4691*	7.3*	923*	150*	2227*
* 205 TIDEWATER OIL CO	CLARK COUNTY 1		CASEY	2-9N-14W		2418		160		1572



## in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (* API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
INMAN E C, GALLATIN CONTINUED													
*1420	2770	9.0	12.4	8	39.0	11-60	07-62	4	4	80	SH GRAV (F)		
*1426	1986	13.0			36.0	01-59	12-68	1	2	30	SH SD, PROD (M)		*NO DATA 1967-68
	2206	13.0						1	2	30			
	2419	5.0						1	2	30			
1407	1700	7.5	18.0	100	37.5	06-55		2	3	50	SH SD, PROD (M)		*NO INJ. SINCE 1972; +EST 1969-75
	1730	7.5						5	4	100			
	1830	8.5			37.2			6	8	140			
	1930	13.5			36.8			10	14	200			
	2030	17.0						17	20	340			
	2380	21.8			34.4			12	15	240			
								1	4	40			
1411	2102	14.0	16.0			07-66		1	2	30	PRODUCED (B)		*EST. 1969-1976 +NO INJ 1973-1976
1429	2000	7.0	19.6	109	36.0	11-62		4	9	170	SH SD, PROD (M)		*ESTIMATED 1968-76 +NO INJ 73-76
	2380	15.0	16.6	89				2	4	60			
INMAN W C, GALLATIN													
1410	2180	10.0	17.0	80		06-61	01-69	2	3	50	GRAVEL BED (F)		*FIRST DATA 11-66
	2500	12.0	16.5	40				1	2	30			
1440	2185	10.0			36.0	05-65		11	11	140	SH SD (F)		*FORMERLY MAC OIL JONES NO 3
	2320	10.0						2	2	40			
	2516	10.0						10	9	190			
1428	1570	10.0	21.0	75	38.0	01-62		2	5	70	PRODUCED (B)		*EST/ TEMP. ABO, 1964-1974
1462	2480	7.0				09-68		2	5	80	GRAVEL BED (F)		
	2780	15.0						5	15	210			
*1402	2500	16.5	13.5	40	36.6	05-55	12-63	10	7	170	PENN SD, PROD (B)		*INCL 1403
*1403	2180	11.0	13.0		36.1	03-57	03-63	3	7	160	PENN SD, PROD (B)		*INCL WITH 1402
1438	2080	18.0				01-72		1	1	20	SHALLOW WELL (F)		
	2502	7.0			36.8	11-65		7	8	220	SHALLOW WELL (F)		
1424	2500	8.0				06-64		2	3	110	PENN SD, PROD (B)		*ESTIMATED 1976
1450	2300	10.0				1-68		*	1	20			*ADJACENT TO ACTIVE WF +EST
	2480	15.0						*	2	30			
*1404	2560	6.0	18.0	100	35.0	05-57	06-59	1	1	20	PRODUCED (B)		
*1415	2122	10.0			36.0	04-56	12-70	4	4	100	SH SD, PROD (M)		
1427	1666	8.0				06-60		1	4	60	SH SD, PROD (M)		*ESTIMATED
*1401	1726	8.0	15.0	72	36.9	10-57	01-74	3	3	60	PRODUCED (B)		*INACTIVE 1972-73
1453	2490	8.0				05-52		1	3	40	PRODUCED (B)		*EST/SWO SINCE 1952
	2780	18.0						1	2	20			
1425	2150	15.0			36.0	09-66		11	7	200	GRAVEL BED (F)		*ESTIMATED +INCL ALL PAYS
	2290	10.0			37.0			9	6	160			
	2475	15.0			37.0			14	13	300			
1449	2800	15.0				08-73		5	7	140	PRODUCED (B)		*ESTIMATED
1451	2610	22.0				01-68		2	1	30	PRODUCED (B)		*ESTIMATED
1400	2740	20.0				07-58		1	5	10	UNKNOWN		*EST/ TEMP. ABO, 1961-1973
*1423	2536	12.0				01-62	1-75	1	2	30	TAR SPRINGS (B)		*ESTIMATED
	2510	15.0						1	2	30			
IOLA C, CLAY, EFFINGHAM													
378	2350	12.0				06-65		1	5	60	PRODUCED (B)		*ESTIMATED; WF EFFECT SINCE 1962
1112	2290	40.4	17.3	50	37.5	02-68		5	6	120	PENN SD (B)		
	2350	19.6	16.5	15				3	5	90			
	2440	6.0	16.0					2	3	80			
* 357	2800	10.0			35.4	01-58	07-66	1	3	60	PRODUCED (B)		
1113	2300	12.0				12-67		1	4	70	PRODUCED (B)		*ESTIMATED
	2350	15.0						2	5	70			
1110	2280	25.0				10-67		6	14	190	PENN SD (B)		
	2350	16.0						6	18	270			
	2424	5.0						4	12	160			
1111	2280	25.0				12-67		10	3	200	PENN SD, PROD (B)		
	2350	16.0						11	11	280			
	2424	5.0						4	6	100			
1119	2360					10-69		1	5	80	PRODUCED (B)		*ESTIMATED
	2430							1	6	80			
303	1874	8.0			32.2	01-55		1	1	20	PENN SD, PROD (B)		*ESTIMATED
	2125	10.5	20.0	100				2	4	40			
	2250	17.3	16.0	40				6	5	120			
	2280	20.0	16.0	40				14	17	260			
	2330	20.0	14.7	80				15	13	280			
* 322	2290	9.5	15.7	50	36.0	06-58	01-68	10	11	210	PRODUCED (B)		*INCL WITH 323
* 323	2350	13.3	15.7	50	36.0	06-58	01-68	12	13	250	PRODUCED (B)		*INCL 322
338	2340	8.5	15.1	65	36.0	09-62		1	2	210	PENN SD, PROD (B)		*INCL PRIM PROD SINCE 1962
376	2350	20.0				04-71		4	7	110	PENN SD, PROD (B)		
	2420	5.0						1	4	80			
IRVINGTON, WASHINGTON													
4020	1420	16.0				02-56		1	7	80	PRODUCED (B)		*ESTIMATED
	1520	10.0						1	6	80			
4019	1530	10.0				01-56		1	14	160	PRODUCED (B)		*ESTIMATED
4002	1400	20.0			35.0	11-57		4	15	150	PRODUCED (B)		*ESTIMATED
4009	1425	15.0	20.0	300	37.4	09-64		1	5	80	PRODUCED (B)		
	1540	12.0	18.0	65				2	6	80			
4018	1530	10.0				01-56		2	12	140	PRODUCED (B)		*ESTIMATED
4004	1531	10.8	19.0	278	37.2	02-59		2	9	200	PRODUCED (B)		*ESTIMATED
IUKA, MARION													
2613	2750	10.0			39.0	08-60		1	3	270	CYPRESS, PROD. (B)		*DUMP FLOOD, UNKNOWN
JOHNSON N, CLARK													
* 204	450	20.0	20.8	399	33.9	04-49	01-63	27	13	125	SH SD, PROD (M)		*NO DATA 1958-1963
* 205	480	2.0	18.3	66	33.0	05-51	12-63	18	12	80	SH SD, PROD (M)		*NO DATA FROM 5-57 TO ABO
207	460	19.0	19.0	330		03-55		51	71	223	GRAV, PROD (M)		*ESTIMATED
	530	14.0											
	595	24.0											
* 211	440	19.0	19.8	252	35.4	09-51	02-54	3	2	15	SH SAND (F)		
203	475	20.0	20.0	231	32.2	11-53		18	22	240	GRAV, PROD (M)		*ESTIMATED
* 208	425	26.1	20.6	415	33.9	02-50	12-59	19	20	31	SH SD, PROD (M)		

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
JOHNSON S, CLARK											
* 212 ACME CASING		M E LARRISON	U PARTLOW	22,27-9N=14W			4424*		163*	3585*	
* 213 ACME CASING		WEAVER-BENNETT	U PARTLOW	27-9N=14W			11359*		528*	9879*	
209 TALBOTT & SONS		SOUTH JOHNSON (F-12)	U PARTLOW	27,34,35-9N=14W		160*	72509*	8.9*	1692*		
210 FRANCIS ZAKOWSKI		JOHNSON EXT 1, 2	CLAYPOOL	22,23,26,27-9N=14W		60*	26069*	3.0*	878*	60*	19747*
			CASEY								
			PARTLOW								
JOHNSONVILLE C, WAYNE											
4195 N. A. BALORIOGE		TALBERT UNIT	AUX VASES	32-1N=6E		10*	1497*	0.6*	106*	10*	543*
4167 FARRAR OIL CO.		E. JOHNSONVILLE UNIT	AUX VASES	25,36-1N=6E,1-1S=6E		278	10926	23.4	1107	225*	5737*
			MCCLOSKEY								
4163 CHRIS PEARSON		LANE-WEAVER	OMARA	9-1S=6E		140*	2242*	5.9*	237*	140*	2240*
4072 TEXACO, INC.		JOHNSONVILLE SU	AUX VASES	9-1S=6E		981	4665	21.8	403	846	5357
			MCCLOSKEY								
4089 TEXACO, INC.		SIMS UNIT	AUX VASES	21,22,27,2A,32,33,34-1S=6E		1200*	12846*	101.8*	2611*	14A4*	17061*
			MCCLOSKEY								
4121 TEXACO, INC.		JOHNSONVILLE U	AUX VASES	21,26,27,2A,33,34,35-1N=6E,3,4-1S=6E		3028	51A12	137.4	4294	3479	35143
*4122 TEXACO, INC.		JOHNSONVILLE U.	MCCLOSKEY	3,4-1S=6E,21,26,27,28,33,34,35-1N=6E			5A250		42A9		34484
*4134 UNION OIL CALIF.		CRISP UNIT	AUX VASES	7,8,17,18-1S=6E			A732		1192*		4466
JOHNSONVILLE S, WAYNE											
*4172 ASHLAND O AND R		W GEFF UNIT	AUX VASES	11,14-1S=6E			3295		225		1161
JOHNSONVILLE W, WAYNE											
4061 EGO OIL CO		ORCHARDOVILLE	AUX VASES	26-1N=5E		129	334	1.4	21	77	137
4071 EGO OIL CO		JOHNSONVILLE W WF	AUX VASES	23,24-1N=5E		296	1645	22.4	305	216	679
*4169 FARRAR OIL CO.		W JOHNSONVILLE UNIT	MCCLOSKEY	2-1S=5E,35,36-1N=5E			2245		1A3		620
*4161 KIRBY PETROLEUM		W JOHNSONVILLE	AUX VASES	14,23-1N=5E			1958		347		1000
JOHNSTON CITY E, WILLIAMSON											
4503 C. E. BREHM		HUCK UNIT	AUX VASES	8-8S=3E		188	240	63.9	94		
4501 MUTUAL O AND G		JOHNSTON CITY E U	CYPRESS	15,16-8S=3E		101	2445	7.3	408		
			AUX VASES								
JOHNSTON CITY N E											
4505 BUFAY OIL CO		MADISON COAL LEASE	AUX VASES	3,4-8S=3F		4	35	8.0	138	4	35
JUNCTION, GALLATIN											
*1412 ESTELLE PRICE		JUNCTION UNIT	WALTERSBURG	16,17,20,21-9S=9E			2357*		303*		
JUNCTION E, GALLATIN											
1441 E.E. MORRIS		CRANE U	WALTERSBURG	36-8S=9E,1-9S=9E		110*	695*	5.7*	51*	110*	501*
JUNCTION N, GALLATIN											
1445 OIL MANAGEMENT INC		HISH LSE	PENNSYLVNIN	33-8S=9E		10*	466*	0.6*	28*	10*	39*
KEENSBURG S, WABASH											
3867 ALVA C. DAVIS		GARST-EPLER	CYPRESS	34,35-2S=13W		120*	1750*	8.8*	195*	96*	781*
3991 HERMAN LOEB		FEARHEILEY-THOM-UTLEY	PENNSYLVNIN	10-3S=13W		290*	407A*	16.5*	32A*	290*	2512*
*3915 VICKERY ORLG.		A P GARST	CYPRESS	27-2S=13W			297		27		60*
KEENVILLE, WAYNE											
*4125 N. A. BALORIOGE		KEENVILLE UNIT	MCCLOSKEY	27,28,33,34-1S=5E			2137		232		1570
*4126 WALTER DUNCAN		KEENVILLE U		28,29-1S=5E			1971		343		660
KENNER, CLAY											
* 305 TEXACO, INC.		KENNER U	BENOIST	25,36-3N=5E,30,31-3N=6E			4349		374		1722
* 330 TEXACO, INC.		KENNER U	AUX VASES	25,36-3N=5E,30,31-3N=6E			5363		117		1270
* 353 TROOP DRILLING		CHASTEEN	BENOIST	36-3N=5E			45		8		45
			RENAULT								
			AUX VASES								
KENNER N, CLAY											
* 324 IND. FARM BUR.		THEOBALD	BENOIST	17-3N=6E			21		53		47*
KENNER W, CLAY											
* 306 PHILLIPS PET. CO		W KENNER U	CYPRESS	23-3N=5E			16531		535		4799
			BENOIST								
			AUX VASES								
KINCAID C, CHRISTIAN											
106 JOE SIMPKINS OIL		KINCAID U	HIRBARD	2-419-11114-16,22-13N=3W,34,35-14N=3W		500*	820*	90.0*	117**	500*	820*
KING, JEFFERSON											
*2016 N. A. BALORIOGE		EBER-GOFF	AUX VASES	22-3S=3E			81*		1		81
2017 T. L. CLARK		RANDOLPH	AUX VASES	27,34-3S=3E		100*	1282**	4.0*	195**	100*	1286**
2025 SHAKESPEARE OIL		MACE UNIT	AUX VASES	33,34-3S=3E		18	241*	8.1	136*	18	241*
*2013 TEXACO, INC.		BAKER-BUMPUS-SMITH	AUX VASES	33,34-3S=3E			1911		62		419
LANCASTER, LAWRENCE, WABASH											
3881 NICK BABARE		SHARP WOOD	BETHEL	4-1N=13W		5*	795*	0.3*	143*	5*	221*
3954 MAYES-WOLFE BROS		LANCASTER UNIT	BETHEL	4,9-1N=13W,33-2N=13W		38*	5422*	1.9*	1238*	38*	1381*
2255 STONE OIL CO		HELENA	SPAR MTN	16,21-2N=13W		293	1279	22.7	509	202	495
LANCASTER E, LAWRENCE, WABASH											
*3984 COY OIL CO		FRIENOSVILLE U	BIEHL	25,36-2N=13W			232*		17*		51*
LANCASTER S, WABASH											
3916 HERMAN LOEB		LANCASTER SOUTH	BETHEL	21-1N=13W		22*	633*	1.2*	117*	22*	276*



in Illinois, 1976 - continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (° API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
Project no.								Inj.	Prod.				
JOHNSON S, CLARK													
* 212	507	33.0	18.0	277		03-55	12-70	2	2	80	GRAV, PROD (M)		*NO DATA 1965-70
* 213	467	35.0	19.0	285		03-55	12-70	6	7	280	GRAV, PROD (M)		*NO DATA 1965-70
209	490	48.0	16.6	319	30.5	03-49		54	62	504	GRAV, PROD (M)		*ESTIMATED
210	420	15.0	21.0	294		03-55		30	33	479	GRAV, PROD (M)		*ESTIMATED
	465	20.0											
	500	30.0											
JOHNSONVILLE C, WAYNE													
4195	3120	13.0	20.7	230	37.0	01-65		2	3	110	PENN SO, PROD (R)		*ESTIMATED
4167	3070	17.0	19.0	90	39.2	08-62		10	11	440	CYPRESS, PROD (R)		*ESTIMATED 1976
	3200	10.0	14.0	100				9	9	340			
4163	3124	6.0	14.2	2454	38.6	06-62		1	3	80	PRODUCED (R)		*ESTIMATED
4072	3000	8.0	18.6	98	37.0	07-69		6	8	230	PRODUCED (B)		
	3100	6.0	12.0	777	37.0			5	3	220			
4089	3045	25.0	16.7	118	38.0	07-67		21	27	1960	PRODUCED (B)		*EST, +INCL ROTH PAYS
	3175	17.0	11.0	377	38.0			26	25	1960			
4121	3000	7.5	19.1	187	37.0	10-56		27	28	3230	PENN SO, PROD (B)		
*4122	3100	10.0	15.5		37.0	11-54	02-70	1	18	3230	CYPRESS, PROD (R)		
*4134	3019	17.0	19.0	80		11-57	05-68	10	8	360	PENN SO, PROD (R)		*INCL PRIM PROD SINCE 2-58
JOHNSONVILLE S, WAYNE													
*4172	3050	11.0	20.3	82	39.0	05-63	08-70	11	12	480	PENN SO (B)		
JOHNSONVILLE W, WAYNE													
4061	2890	10.0	19.4	175		09-73		1	1	40	PENN SAND, PROD (R)		
4071	2916	7.0			38.0	08-71		3	9	160	PENN SAND (R)		
*4169	3072	11.0	13.5	200	37.0	10-63	01-72	2	4	150	PENN SO, PROD (R)		
*4161	2900	12.0	19.0	92	39.0	05-62	06-69	5	5	170	PENN SO, PROD (R)		
JOHNSTON CITY E, WILLIAMSON													
4503	2580	19.0	16.0		39.0	8-75		2	5	100	PENN SO (B)		
4501	2300	20.0	14.8	80		02-67		4	5	90	CYPRESS SD (B)		
	2580	6.0	12.2	14				2	5	70			
JOHNSTON CITY N E													
4505	2824	22.0			40.0	2-71		1	4	519	PRODUCED (B)		
JUNCTION, GALLATIN													
*1412	1720	14.0	16.0	22	36.0	05-51	04-71	9	10	200	SH SO (F)		*EST 1965-66; NO DATA 1967-71
JUNCTION E, GALLATIN													
1441	2000	15.0	17.0	50		03-68		2	4	80	PENN SO, PROD (M)		*ESTIMATED
JUNCTION N, GALLATIN													
1445	1560	7.0				09-70		1	3	40	SHALLOW SD (F)		*ESTIMATED
KEENSBURG S, WABASH													
3867	2398	12.0			37.8	10-64		3	4	90	SH SO, PROD (M)		*ESTIMATED 1976
3991	1181	13.0	15.0	42	32.5	12-62		5	9	130	SH SO, PROD (M)		*ESTIMATED
*3915	2403	15.0	20.6	134	37.5	11-54	12-59	1	1	60	SH GRAV (F)		*ESTIMATED
KEENVILLE, WAYNE													
*4125	3100	9.0			40.0	11-56	03-66	3	12	220	SH SO, PROD (M)		
*4126	2950	13.0	20.0	155	39.0	04-54	11-61	3	9	120	SH SO (F)		
KENNER, CLAY													
* 305	2700	14.0	15.6	54	36.0	06-59	12-65	23	24	480	PENN SO, PROD (R)		
* 330	2800	21.0	17.0		36.0	06-59	10-67	1	8	270	PRODUCED (R)		
* 353	2719	29.0			35.8	08-63	07-68	1	1	20	PRODUCED (B)		
	2774	18.0						1	1	20			
	2831	13.0						1	1	20			
KENNER N, CLAY													
* 324	2750	10.0	17.0	40	36.0	10-58	12-63	1	3	30	PRODUCED (B)		*ESTIMATED
KENNER W, CLAY													
* 306	2600	13.0			37.5	02-52	06-68	11	15	280	PRODUCED (B)		
	2720	14.0						6	11	200			
	2800	16.0						1	5	70			
KINCAID C, CHRISTIAN													
106	1860	10.0				10-74		16	30#	700	PRODUCED (B)		*EST; +INCL PRIM SINCE 10-74 *PARTIAL DEVELOPMENT TO DATE
KING, JEFFERSON													
*2016	2700	7.0				01-63	11-68	1	3	40	PRODUCED (B)		*WATER INJ INEFFECTIVE
2017	2700	20.0				06-64		3	5	80	CYPRESS, PROD (B)		*EST SINCE 1967; +INACTIVE 1974
2025	2708	10.0	12.0	16		11-64		1	4	80	PRODUCED (B)		*INCL PRIM PROD SINCE 11-64
*2013	2735	11.0			37.0	05-61	02-70	3	2	160	PRODUCED (B)		
LANCASTER, LAWRENCE, WABASH													
3881	2540	21.0	17.0	65	37.5	07-64		2	3	40	PRODUCED (B)		*ESTIMATED
3954	2500	16.0			34.0	12-58		21	34	500	SURF POND, PROD (M)		*ESTIMATED
2255	2720	7.0				07-71		4	8	300	PENN SO (B)		
LANCASTER E, LAWRENCE, WABASH													
*3984	1740	9.0			30.6	01-71	01-75	1	2	30	SHALLOW SAND, PROD (M)		*ESTIMATED
LANCASTER S, WABASH													
3916	2520	10.0			36.0	01-55		2	6	80	PRODUCED (B)		*ESTIMATED

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
LAWRENCE, LAWRENCE, CRAWFORD											
	2257	ACME CASING	LEWIS	CYPRESS	24-3N-12W	75*	1020*	4,3*	116*	75*	1020*
	2215	ASHLAND O AND R	BOLLES-WRIGHT UNIT	BETHEL	7,8,17-4N-12W	75	1551	3,5	57	30	259
	2242	BALOWIN, BALOWIN	O'DONNELL	CYPRESS	17-3N-12W	320*	3884*	10,1*	423*	200*	1216*
	2291	BALDWIN, BALOWIN	CUMMINS	BRIDGEPORT	6-3N-12W	380*	5060*	19,2*	317*	380*	4236*
	2269	FRANCIS BEARO	JENNER	CYPRESS	36-3N-12W	150**	6234**	6,8**	324**	70**	3214**
				BETHEL							
	*2200	CALVAN AMERICAN	PIPER	CYPRESS	2,11-4N-13W		146		6		
	*2229	CALVAN AMERICAN	WALLER	CYPRESS	5,6-2N-11W		828		12		
	2203	CHARLES E. CARR	CRUMP #40	CYPRESS	19-4N-12W	50*	2187*	2,0*	281*	50*	144*
	2209	CHARLES E. CARR	CRUMP UNIT	CYPRESS	31-4N-12W	45*	2317*	2,0*	171*	45*	1359*
	2236	CHARLES E. CARR	L GILLESPIE	BRIDGEPORT	26,35-3N-12W	30*	9577*	4,7*	851*	110*	7814*
				CYPRESS		60*	9805*				
				BETHEL		20*	1843*				
	2241	CHARLES E. CARR	FYFFE	CYPRESS	6-3N-12W,1-3N-13W	20*	6331*	1,0*	462*	20*	2348*
	2244	CHARLES E. CARR	BRIDGEPORT UNIT	CYPRESS	6-3N-12W	90*	6785*	4,4*	1153*	90*	4917*
	2245	CHARLES E. CARR	S GILLESPIE	CYPRESS	26-3N-12W	200**	2484**	8,4**	205**	200**	1041**
				BETHEL							
	2252	CHARLES E. CARR	BOWER-ROSS	CYPRESS	29-4N-12W	200*	2983*	7,8*	237*	200*	2442*
	2253	CHARLES E. CARR	FYFFE #39	CYPRESS	31-4N-12W	180*	2499*	10,4*	210*	180*	2120*
	2255	CHARLES E. CARR	COOPER-DAVIS	CYPRESS	6,7-3N-12W	38*	2088*	2,2*	162*	38*	2173*
	2262	CHARLES E. CARR	FYFFE U	CYPRESS	36-4N-13W	80*	2618*	4,4*	193*	80*	1782*
	*2270	CHARLES E. CARR	GRAY FEE WF	CYPRESS	1-2N-12W		1554		93		518
				BETHEL							
	2276	CHARLES E. CARR	WITHERS-PELHAM-STATE	CYPRESS	36-3N-12W	50*	2789*	2,4*	278*	50*	1721*
				BETHEL							
	*2205	WALTER DUNCAN	L.C. DAVIS	SAMPLE	8-3N-11W		56				8
	*2206	T. W. GEORGE EST,	KLONOIKE WF	BETHEL	25,26,35,36-5N-13W		9990		1098		3338*
	*2280	GULF OIL CO	H E GRIGGS	CYPRESS	18-3N-12W		245		6		2
				BENOIST							
	2211	GAIL HEATH	STOLTZ	BRIDGEPORT	32-4N-12W	160**	14734**	5,4**	1069**	160**	8346**
				CYPRESS							
	2240	O. S. HUDDLESTON	VANDERHARK-ALBRECHT	BRIDGEPORT	34-3N-12W	274	3595	14,1	441	274	2530
				CYPRESS							
	*2224	ILLINOIS OIL CO.	PINLEY U	CYPRESS	25-3N-12W		748		38		652
				BETHEL							
	2225	ILLINOIS OIL CO.	GEE-IRWIN U	CYPRESS	36-3N-12W	78*	624*	3,0*	42*	78*	476*
				BETHEL							
	2226	ILLINOIS OIL CO.	DINING HEIRS	CYPRESS	36-3N-12W	69*	997*	3,2*	106*	69*	1090*
				BETHEL							
	2227	ILLINOIS OIL CO.	MCCROSKEY HRS	CYPRESS	25-3N-12W	140*	848*	7,4*	86*	140*	816*
				BETHEL							
	2277	ILLINOIS OIL CO.	BUNKER HILL U	BRIDGEPORT	12-2N-12W	80*	1614*	4,0*	102*	100*	852*
				BETHEL		100*	1837*	1,9*	68*	80*	650*
	2203	J&W EQUIPMENT	BRIDGEPORT S U	BETHEL	19-3N-12W	180*	1416*	24,1*	134*	100*	498*
	2281	JENNY LEE OIL CO	CALVERT-HUSGRAVE	BRIDGEPORT	3-3N-12W		7*		*	*	*
	2273	HERMAN LOEB	LOEB AND MCPHERSON	CYPRESS	14,15,22-3N-12W	95*	3350*	6,0*	351*	95*	1964*
				BETHEL							
	2275	HERMAN LOEB	BURNS,GRIGGS,ZELLAR	BRIDGEPORT	8-3N-12W	98*	10627*	6,0*	619*	90*	5723*
				CYPRESS							
	2213	MARATHON OIL CO.	17 PROJECTS*	JACKSON	73,4N-R12,13W	16076	370944	896,8	49480	15270	268541
				CYPRESS							
				BETHEL							
	2214	MARATHON OIL CO.	9 PROJECTS*	BENOIST							
				BRIDGEPORT	T 3,4N R 12,13W	13211	204650	1203,7	18563	12115	162928
	2216	MARATHON OIL CO.	4 PROJECTS *	MCCLOSKEY	T 3,4N R 12,13W	1938	57372	71,9	4793	1656	41054
	2234	MARATHON OIL CO.	ST LOUIS WF 11-W	ST LOUIS	30-4N-12W	128	295	1,3	3	1	10
	2247	MARATHON OIL CO.	MARIONSBURG WF 37-W	MARIONSBURG	27,34-3N-12W	494	2536	38,6	564	270	1235
	2279	MARATHON OIL CO.	RIDGLEY 41-P	RIDGLEY	26,34,35-3N-12W	598	7585	42,7	1202	506	5041
	*2204	W. C. MCBRIDE	APPELEGATE	JACKSON	7-4N-12W, 12-4N-13W		4468		228		3476
				CYPRESS							
				MCCLOSKEY							
	2210	W. C. MCBRIDE	NEAL	BRIDGEPORT	29-4N-12W	502	8134	23,6	864	283	5446
				JACKSON							
				CYPRESS							
				BETHEL							
	2219	W. C. MCBRIDE	ROGERS	CYPRESS	14-3N-12W	113	1766	5,7	231	126	1543
				BETHEL							
	*2249	W. C. MCBRIDE	HINKLE	MCCLOSKEY	26-3N-12W		175		24		223
	*2251	W. C. MCBRIDE	COMBS	CYPRESS	20-4N-12W		779		65		339
				BETHEL							
	2254	W. C. MCBRIDE	OALRYMPLE	JACKSON	29-4N-12W	213	5136	5,2	515	178	3533
				CYPRESS							
				BETHEL							
	2285	W. C. MCBRIDE	HINKLE	BENOIST							
				BRIDGEPORT	26-3N-12W	236	3015	10,7	474	335	3045
				CYPRESS							
	2207	NATIONWIDE ENERGY	GRAY AREA	BETHEL							
				JACKSON	13,14-4N-13W	100*	8007*	5,0*	733*	100*	5590*
				BETHEL							
				BENOIST							
	2266	NATIONWIDE ENERGY	KIRKWOOD-MCPHERSON	CYPRESS	11,12,13,14-3N-12W	180*	3060*	12,2*	243*	190*	3000*
	*2243	OILFIELD DRG.	BELL UNIT	CYPRESS	1-3N-13W		2429*		172*		993*
	2271	DAVID PHILLIPS	BRUNSON-PAYNE-FAITH	CYPRESS	18,19-3N-11W	120*	415*	5,6*	32*	120*	360*
	2274	BERNARD PODOLSKY	GILLESPIE AND CALVERT	CYPRESS	15,22-3N-12W		1227*	2,4	177	32	544
	2237	A.BRANT POWELL	STOLTZ HEIRS	JACKSON	25-4N-13W	35*	1779*	1,8*	350*	35*	917*
				CYPRESS							
				BETHEL							
	*2230	REE, INC.	SNYDER	CYPRESS	30-3N-11W		16		1		69
	*2222	HUBERT ROSE	LEIGHTY	CYPRESS	32-3N-11W		117*		2*		117*
	*2217	SHAKESPEARE OIL	S 8'PORT U C MILLER C	BETHEL	20,29,30-3N-12W		4902		536		2057
	2288	JOE SIMPKINS OIL	COLLINS SCHL	CYPRESS	6-2N-11W/31-3N-11W	100*	1525*	5,6*	108*	100*	1230*
				SAMPLE	1-2N-12W						
	2202	WAYNE SMITH, OP.	C M PERKINS	BRIDGEPORT	32-4N-12W	269	16907	9,4	865	260	5618

in Illinois, 1976 - continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
Project no.								Inj.	Prod.				
LAWRENCE, LAWRENCE, CRAWFORD													
2257	1580	20,0				06-67		9	7	180	PENN SO (B)		*ESTIMATED
2215	1680	10,0	15,0	20	38,0	07-66		4	8	120	PURCHASEO (F)		
2242	1500	28,0	16,7	15	38,0	04-59		9	7	160	BUCHANAN, PROD (B)		*ESTIMATED 1976
2291	980	30,0				01-58		4	10	80	PRODUCED (B)		*ESTIMATED 1976
	1440	30,0						4	10	80			
2269	1540	25,0	15,0	30		11-62		11	10	100	GRAV, PROD (M)		*ESTIMATED; +INCL 80TH PAYS
	1540	25,0	15,0	30				11	10	100			
*2200	1520	25,0	20,8	33	38,6	12-53	06-56	4	2	60	SM SO (F)		
*2229	1535	50,0	18,5	70	39,5	03-53	11-55	8	8	160	SM GRAVEL (F)		*ESTIMATED
2208	1280	25,0	20,0	90		04-56		4	4	40	PENN SO, PROD (B)		*ESTIMATED
2209	1420	22,0	20,0	80		12-56		5	4	40	PENN SO, PROD (B)		*ESTIMATED
2236	990	30,0	19,3	200	37,0	11-58		16	10	100	GRAV 8EO, PROD (M)		*ESTIMATED
	1550	28,0	17,0	35				17	10	100			
	1660	10,0	16,5	25				17	10	100			
2241	1580	35,0	18,0	100	35,0	07-59		10	4	45	BUCHANAN SO, PROD (B)		*ESTIMATED
2244	1575	25,0	18,0	80	38,0	06-59		9	10	150	PENN SO, PROD (B)		*ESTIMATED
2245	1550	28,0	17,0	35	39,0	10-60		8	6	50	RIVER, PROD (M)		*ESTIMATED; +INCL 80TH PAYS
	1660	10,0	16,5	25	39,0			8	6	50			
2252	1320	20,0	19,0	120		08-58		4	6	60	PENN SO, PROD (B)		*ESTIMATED
2253	1420	20,0	20,0	80		12-56		3	4	40	PENN SO, PROD (B)		*ESTIMATED
2258	1620	15,0				06-63		3	5	90	PENN SO, PROD (M)		*ESTIMATED
2262	1650	25,0	18,0	130		12-60		8	4	80	PENN SO, PROD (B)		*ESTIMATED
*2270	1545	25,0			37,0	07-61	07-74	3	5	60	SM SO, PROD (M)		*ESTIMATED
	1670	10,0						3	5	60			
2276	1564	20,0	16,9	41	38,5	02-63		8	8	80	SM SO, PROD (M)		*ESTIMATED
	1690	12,0	15,0	17				8	8	80			
*2205	1600	6,0				08-56	09-58	1	1	20	RIVER GRAVEL (F)		
*2206	1625	18,0	17,2	80	37,8	06-52	12-60	44	36	750	SM SO, PROD (M)		*ESTIMATED
*2280	1586	16,0	16,7	21	38,0	04-63	12-67	1	1	10	PRODUCED (B)		
	1746	12,0	16,0	27				1	1	10			
2211	860	25,0	22,3	15	37,0	01-55		10	8	25	GRAV, PROD (M)		*ESTIMATED; +INCL 80TH PAYS
	1400	18,5	17,3	18	37,0			4	8	25			
2240	988	24,0	21,0	398	29,5	08-58		3	7	70	LAKE, PROD (M)		
	1648	15,0			39,8			1	3	40			
*2224	1600	12,0	17,0	50	36,0	01-67	01-72	3	8	80	SM WELL (F)		
	1700	8,0	15,0	35				1	3	40			
2225	1530	20,0	18,0	100	36,0	02-67		1	1	20	PRODUCED (B)		*ESTIMATED
	1630	15,0	16,0	50				1	1	20			
	1780	10,0	15,0					1	1	20			
2226	1550	12,0	18,0	100		12-65		1	2	20	PRODUCED (B)		*ESTIMATED
	1650	10,0	16,0	70				1	2	20			
2227	1600	15,0	18,0	75	36,0	01-66		1	2	10	PRODUCED (B)		*ESTIMATED
	1725	10,0	15,0	50				1	2	10			
2277	975	10,0	19,0	350	35,0	02-64		1	2	40	SM SO (F)		*ESTIMATED
	1775	8,0	14,0	25	38,0			4	7	100			
2203	2000	18,0	17,5	45	37,0	09-70		4	10	110	PENN SO (B)		*ESTIMATED 1976
2281	1019	15,0				06-62		1	2	30	SM SO, GRAVEL (F)		*NO DATA 1965-71
2273	1535	15,0	18,5	40	30,0	12-62		7	8	180	BUCHANAN, PROD (B)		*ESTIMATED
	1650	10,0	18,0	15				6	5	120			
2275	850	20,0	21,0	131	30,9	11-56		4	6	50	BUCHANAN, PROD (B)		*ESTIMATED
	1440	20,0						5	7	60			
2213	1375					01-52		488+	596+	1600+	PROD, FRESH W8W (M)		*JUDY, WESTALL, KING, SUTTON, KIMMEL BOYO, MIDOAGH, NEWELL, MOORE, THORN GOULD, SEED, GRAY, MYAN, LEIGHTY, JENNER, WIDE-GRAY +EST
	1430	10,0						560+	550+	5600+			
	1530	10,0						220+	220+	2400+			
	1600	8,0						30+	30+	300+			
2214	800	30,0			35,6	08-48		276	393	2096	GRAV, PROD (M)		*ROBINS, JOHNSON, KLINGLER, COOPER, SALTZELL, LEWIS, CLARK, FINLEY, GEE +APPGATE, WILLIAMS, GILLESPIE, VANDERMARK
2216	1700	20,0		1500		11-56		35	52	1637	GRAV, PROD (M)		
2234	1950	30,0				12-75		4	2	40	PRODUCED (B)		
2247	1350	13,0				09-71		13	10	290	PROD & FRESH (M)		
2279	1230	16,0	17,0	400		08-64		27	30	584	GRAV, PROD (M)		
*2204	1240	10,0	19,0	80	34,7	09-52	12-67	15	16	180	GRAV, PROD (M)		
	1350	15,0	17,0	30				8	8	60			
	1635	3,0	23,0	40				10	10	40			
2210	970	15,0	20,0	200		05-56		1	1	20	PENN SO, PROD (B)		
	1330	6,0	18,0	40				8	8	80			
	1390	23,0	19,0	20				8	8	80			
	1470	18,0	17,0	20				2	2	40			
2219	1530	12,0	16,0	30		08-66		4	6	50	PENN SO, PROD (B)		
	1620	10,0	15,0	20				4	5	40			
*2249	1775	15,0	20,0	175		08-59	01-66	1	4	40	PENN SO, PROD (B)		
*2251	1450	20,0	18,0	50		03-59	02-71	1	1	60	PENN SO, PROD (B)		
	1630	10,0	12,0	10			07-66	2	2	20			
2254	1450	6,0	19,0	80		03-68		1	1	10	PENN SO, PROD (B)		
	1500	20,0	19,0	80		09-59		3	3	70			
	1575	10,0	16,0	35		09-59		3	5	70			
	1650	15,0	15,0	25		09-59		6	6	70			
2285	1000	10,0	18,0	100		11-63		2	2	40	PENN SO, PROD (B)		
	1550	17,0	18,0	50				4	3	80			
	1660	12,0	15,0	20				5	7	80			
2207	1412	8,0	13,5	9		05-53		10	10	200	BRIDGEPORT, PROD (B)		*ESTIMATED
	1577	11,0	21,0	40				10	10	200			
	1622	16,0	18,5	46				8	7	150			
2266	1540	20,0				10-64		6	17	280	SM SO, PROD (M)		*ESTIMATED
*2243	1650	20,0	18,0	80	38,0	06-59	03-66	2	1	80	PENN SO, PROD (B)		*1966 DATA ESTIMATED
2271	1560	16,0				10-69		3	11	130	SM SO, PROD (M)		*ESTIMATED
2274	1590	14,0	18,5	40	30,0	11-62		4	7	100	BUCHANAN, PROD (B)		*INJ. CURTAILED MARCH 1974
2237	1460	6,0	20,0	85	38,0	07-58		1	2	30	PENN SO, PROD (B)		*ESTIMATED
	1550	14,0						3	8	130			
	1680	20,0						1	1	20			
*2230	1580	25,0	21,2	125	38,6	10-52	01-55	1	2	10	TAR SPR, PROD (B)		
*2222	1610	9,0			36,0	02-66	07-74	1	2	30	PENN SO, PROD (B)		*EST, 1968-1971; INJ. SUSP. 1972
*2217	1800	12,1	17,1	70	38,0	10-56	12-66	20	18	313	TAR SPRINGS (B)		
2288	1550	15,0				01-69		17	20	350	PENN SO, GRAV (M)		*ESTIMATED
	1620	10,0						19	25	450			
2202	900	14,0	18,0	125	36,0	02-55		19	10	100	BUCHANAN SO, PROD (B)		



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
LAWRENCE, LAWRENCE, CRAWFORD CONTINUED											
	2202	WAYNE SMITH, OP.		CYPRESS							
	2220	WAYNE SMITH, OP.	BUCHANAN	CYPRESS BETHEL BENOIST	7-3N-12W	138	3503	6,9	432	131	857
	2221	WAYNE SMITH, OP.	OSCAR LEIGHTY	CYPRESS	31-3N-11W	449	2094	1,0	73	448	1995
	2233	WAYNE SMITH, OP.	PEPPLE	CYPRESS BETHEL	30-4N-12W		9826	3,5	9A7	65*	4847*
	2238	WAYNE SMITH, OP.	L H SEEO	CYPRESS	21-3N-12W	101	1743		15	101	2368
	2256	WAYNE SMITH, OP.	GREEN	CYPRESS BETHEL	24,25-4N-13W		2606	1,2	178	20*	1057*
	2259	WAYNE SMITH, OP.	WHITTAKER AREA	CYPRESS BETHEL	2,10,11-3N-12W	136	11489	20,0	1452	117	5528
	2260	WAYNE SMITH, OP.	E J SEEO	JACKSON CYPRESS	15,16,22-3N-12W	193	2173	12,8	170	180	1104
	2265	WAYNE SMITH, OP.	PIPER-DROLL AREA	JACKSON CYPRESS BETHEL BENOIST	1,2,11,12-4N-13W 35,36-5N-13W	631	13518	60,9	1751	570	6478
	2272	WAYNE SMITH, OP.	HAYWARD AREA	CYPRESS BETHEL	25,26-3N-12W	37	2897	20,3	648	16	2194
	*2286	WAYNE SMITH, OP.	BUCHANAN AREA	BRIDGEPORT	2-2N-12W		190		1		2
	*2289	WAYNE SMITH, OP.	W.F. GOULD UNIT	CYPRESS	31-3N-12W		1930		5		1539
	*2223	TEXACO, INC.	LAWRENCEVILLE FEE	CYPRESS	7,18-3N-11W		524		13		134
	2239	ZANETIS OIL PROP	WAYNE HEIRS	AUX VASES HCCLOSKEY	28-3N-11W	20*	322*	1,9*	41*	20*	322*
	*2264	ZANETIS OIL PROP	CABILL	CYPRESS	36-4N-13W		62		57		197
	2282	ZANETIS OIL PROP	CARLSON	BUCHANAN CYPRESS BETHEL HCCLOSKEY	15-3N-12W	200*	3472*	9,8*	351*	200*	3472*
	2283	ZANETIS OIL PROP	HUODON WF	CYPRESS	18-3N-11W	10*	718*	0,1*	47*	10*	718*
	2292	ZANETIS OIL PROP	W.H.GILLESPIE	BUCHANAN CYPRESS	15-3N-12W	240*	1207*	19,4*	78*	240*	1207*
LAWRENCE W, LAWRENCE											
	*2250	ACHE CASING	S BUNNER UNIT	BETHEL	14,23,24-3N-13W		1191		186		285
	2235	N. A. BALORIDGE	LAWRENCE WEST	BETHEL	23,24,25-3N-13W	150*	180*	14,9*	15*	150*	180*
LEXINGTON, WABASH											
	3058	80, TRIANGLE CO.	LEXINGTON U	HCCLOSKEY	26-1S-14W	170*	2467*	7,3*	61*	170*	635*
LILLYVILLE, CUMBERLAND, EFFINGHAM											
	704	ROYALCO, INC.	KROGHAN	HCCLOSKEY	31-9N-7E	130*	2161*	8,6*	287*	65*	707*
LIVINGSTON, MADISON											
	*2500	WILLIAM H. KROMH	KROGER	PENN	17-6N-6W		67		3		
	*2501	M. W. MCCONNELL	C. AND O. HENKE UNIT	PENN	17,20-6N-6W		104		25		
	*2502	CHARLES P. WOOD	KROGER	PENN	17-6N-6W		37*		3*		
LIVINGSTON S, MADISON											
	2508	R. CHOISER	QUADE-REPOUSCH	PENN	21,22-6N-6W	85*	645*	3,1*	46*	85*	565*
	2509	HOWARD CLEFF	BEST-KERIN-LEITCH	PENN	27,34-6N-6W	85*	795*	4,3*	74*	85*	645*
	2507	FAIRFIELD OIL CO	BLOH-FLOWLER-RUEHRUP	PENN	27-6N-6W	12	673*	6,2	94*	1	9*
LOCUST GROVE, WAYNE											
	4085	ZANETIS OIL PROP	DAUBS S	AUX VASES	31-1N-9E	15*	399*	1,1*	25*	15*	150*
LOUDEN, EFFINGHAM, FAYETTE											
	1252	N. A. BALORIDGE	LOUDEN **	CYPRESS BETHEL CYPRESS BETHEL	7,8N-R3,4E	200+	1772+	65,0+	287+	250+	2100+
	1230	BARGER ENG	BINCLAIR	CYPRESS BETHEL	29-8N-3E	192	4798	8,0	743	192	4736
	1243	BARGER ENG	WELKER	CYPRESS	31-7N-3E	60*	1492*	7,4*	638*	240*	4249*
	*1201	W. L. BELOEN	HINTON U	CYPRESS	32-7N-3E		100		11		
	1202	W. L. BELOEN	UNIT 25	CYPRESS	24,25-8N-3E	122	6737	5,2+	587+	122+	6335+
	1209	W. L. BELOEN	S. F. OWENS	CYPRESS	9-7N-3E	*	757*	*	215*	*	1038*
	1213	W. L. BELOEN	E.C. SMITH	CYPRESS	20-7N-3E	147	1439	13,3*	844*	147*	2367*
	1226	W. L. BELOEN	SATHER	CYPRESS	16,17-7N-3E	175	1469	10,5*	381*	210*	912*
	1203	O. L. BURTSCHI EST.	O.L. BURTSCHI U	CYPRESS	18-7N-3E	80*	1155*	3,4*	219*	80*	635*
	1207	REVIS O. CALVERT	HOMAN	CYPRESS	29,31,32-7N-3E		16305	4,9*	1953*	60*	11899*
	1215	REVIS O. CALVERT	KOBERLIEN	CYPRESS	30-7N-3E	25*	2763*	0,9*	514*	25*	1847*
	1217	REVIS O. CALVERT	STOKES-WEILER	CYPRESS	14-8N-3E	10*	2610*	0,2*	429*	10*	1255*
	1233	REVIS O. CALVERT	BAPP	CYPRESS	18-7N-3E	10*	1866*	0,7*	158*	10*	698*
	1255	ORAN OIL PROP.	J.W. ARNOLO	CYPRESS	19-7N-3E	75*	1575*	4,8*	106*	75*	1575*
	1204	EXXON	LOUDEN	CYPRESS BETHEL BENOIST AUX VASES	T 7,8,9N-R 2,3,4E	46121	911215	1618,4	131058	36932	516443
	1216	FRY OIL CO	RHOODES-WATSON	CYPRESS BETHEL BENOIST	27,33,34-8N-3E	250+	6530+	8,4*	1099+*	250+	4692+
	1206	GENERAL AMERICAN	GEVORE COOP	CYPRESS	1-7N-2E	121	2199	3,6	383	121	2079
	1254	TOM GRACE	BAIL-LONG	CYPRESS	15-7N-3E	45*	720*	1,7+*	39+*	45*	720*
	1244	A. L. HERMANN	LILLY	CYPRESS BETHEL BENOIST	16-8N-3E	143	3786	26,6	1059	227	3048
	1205	L. B. MOSS TRUST	STEWART AND OIAL	CYPRESS	6-7N-3E	20*	1029*	0,9*	120*	20*	373*
	1225	L. B. MOSS TRUST	EMERSON	CYPRESS	31-8N-3E	10*	102*	0,3*	11*	10*	183*
	1235	L. B. MOSS TRUST	M. LOGUE	CYPRESS BETHEL	18-7N-3E	20*	780*	0,9*	36*	20*	453*
	1241	L. B. MOSS TRUST	ARNOLO-MORAN-SEALOCK	CYPRESS	19-7N-3E	550*	4179*	39,9*	677*	550*	4022*
	1242	L. B. MOSS TRUST	LAURA LOGUE	CYPRESS	18-7N-3E	25*	300*	0,9*	67*	25*	300*
	1248	L. B. MOSS TRUST	RHOODES	CYPRESS	18-7N-3E	140*	961*	5,7*	186*	140*	1047*
	*1249	L. B. MOSS TRUST	BUZZARO	CYPRESS	3-7N-3E		199		199		1850
	1210	R. L. MOSS	YOLTON	CYPRESS	12-7N-2E, 7-7N-3E	240*	4078*	11,0*	763*	240*	3101*
	1228	R. L. MOSS	SMITH	BETHEL CYPRESS		20*	543*	1,7*	36*	20*	213*
						60*	2121*	2,9*	220*	60*	1586*



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SO = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
LAWRENCE, LAWRENCE, CRAWFORD													
2202	1350	20.0	18.0	100				19	10	100			
2220	1570	28.0	17.9	64	37.0	12-65		4	1	60	GRAVEL BED (F)		
	1670	9.0	15.9	37				2	2	40			
	1730	9.0	12.5	2				3	4	80			
2221	1650	15.0	16.5	50	38.0	01-66		5	7	60	RIVER GRAV, PROD (M)		
2233	1400	30.0	18.0	75	37.0	06-57		21	17	130	BUCHANAN SD, PROD (B)	*ESTIMATED 1976	
	1650	20.0	14.0	10	39.2			6	7	50			
2238	1630	22.0	74.0	18	33.0	03-67		1	1	20	SH SD (F)		+INACTIVE 1974-76
2256	1530	20.0	16.0	47	37.0	05-60		6	5	70	BUCHANAN SD, PROD (B)	*ESTIMATED	
	1675	20.0	12.0	5	37.0			6	5	70			
2259	1520	20.0	18.0	35		11-60		26	26	650	RIVER, PROD. (M)		
	1630	15.0						26	26	650			
2260	1500	5.0				02-61		3	2	40	SH SD (F)		
	1590	16.0						1	2	30			
2265	1310	12.0	18.0	30	38.0	12-61		22	24	500	RIVER, PROD (M)		
	1400	10.0	18.0	35	38.0			21	23	480			
	1525	6.0						8	8	160			
	1585	5.0						6	6	120			
2272	1575	25.0	16.0	20	38.5	12-63		6	16	120	BRIDGEPORT, PROD (B)		
	1650	14.0						6	16	120			
*2286	950	40.0	19.0	100	31.0	07-63	02-66	2	2	40	SH SD (F)		
*2289	1590	20.0	19.0	75	30.0	09-65	06-70	8	8	180	PENN SD, PROD (R)		
*2223	1560	10.0	17.0	20	37.0	02-70	06-73	4	6	160	PROD, SUPPLY (M)		
2239	1838	8.0	20.0	2	38.5	03-65		1	3	50	PRODUCED (B)	*ESTIMATED 1976	
	1919	5.0	15.0	23				1	3	50			
*2264	1640	19.0			38.6	09-62	12-66	1	3	40	SH SD, PROD (M)		
2282	1300	15.0				04-71		2	2	40	PRODUCED (R)	*ESTIMATED 1976	
	1516	31.0	16.0	14	36.7	07-64		9	9	180			
	1622	22.0						1	2	40			
	1770	5.0	15.0	2				2	4	100			
2283	1597	18.0	20.8	121	36.1	05-64		2	4	40	PRODUCED (B)	*ESTIMATED 1975-76	
2292	1290	20.0				12-72		3	3	60	PRODUCED (R)	*ESTIMATED 1976	
	1580	25.0						4	4	80			
LAWRENCE, LAWRENCE													
*2250	2040	10.0	17.2	36	35.0	12-59	01-66	8	9	287	SH SD, PROD (R)		
2235	2050	18.0				1-75		4	10	150	PRODUCED (B)	*ESTIMATED	
LEXINGTON, WABASH													
3858	2850	9.0	14.0	600	38.0	05-68		2	1	50	SH SD (F)	*ESTIMATED	
LILLYVILLE, CUMBERLAND, EFFINGHAM													
704	2450	8.0			35.0	05-57		3	6	160	PROD (B)	*ESTIMATED 1976	
LIVINGSTON, MADISON													
*2500	520	15.0			33.5	07-54	12-57	2	5	80	HENOIST, A.V. SDS (R)		
*2501	525	22.0	16.0		36.0	05-52	12-70	10	10	80	SALEM, PROD (R)		
*2502	520	20.0			37.0	05-59	08-68	1	3	160	AUX VASES (R)	*NO DATA SINCE 1962	
LIVINGSTON, MADISON													
2508	2700	5.0	11.0			6-71		2	9	90	PRODUCED (R)	*ESTIMATED	
2509	575	15.0				04-72		1	6	70	PRODUCED (B)	*ESTIMATED	
2507	545	35.0	22.8	1421	35.0	10-63		5	7	150	SH SD (F)	*ESTIMATED	
LOCUST GROVE, WAYNE													
4085	3180	10.0			39.8	08-66		1	2	20	CYPRESS (R)	*ESTIMATED 1975-76	
LOUGEN, EFFINGHAM, FAYETTE													
1252						02-72		*	*	*			*INCL WITH EYXON TOTALS +EST
								*	*	*			** PURCH FROM EYXON 2-72
1230	1446	25.0				08-60		4	4	80	PRODUCED (B)		
	1528	25.0						4	4	80			
1243	1530	40.0				11-56		2	4	80	TAR SPR, PROD (B)	*ESTIMATED 1976	
*1201	1584	20.0	17.4	126	34.0	09-56	01-63	1	1	20	PRODUCED (B)		
1202	1530	15.0			34.0	10-57		122	335	240	TAR SPR, PROD (B)	*INCL PRIM PROD; *ESTIMATED	
1209	1450	27.0			38.0	09-54		1	3	40	TAR SPR, PROD (R)	*INJ SUSPENDED 01-01-69	
1213	1400	20.0	21.0	150	38.0	07-57		4	6	100	TAR SPR, PROD (R)	*ESTIMATED	
1226	1480	30.0				09-68		2	9	140	TAR SPR, PROD (B)	*ESTIMATED	
1203	1475	30.0				08-56		1	1	20	PURCHASED (B)	*ESTIMATED	
1207	1562	37.0	18.0	200		03-54		2	3	320	PRODUCED (B)	*ESTIMATED	
1215	1590	30.0				05-57		4	5	80	TAR SPR, PROD (B)	*ESTIMATED	
1217	1480	25.0	19.4	93		03-56		3	3	60	TAR SPR, PROD (R)	*ESTIMATED	
1233	1400	30.0	19.0	85		11-62		4	2	40	TAR SPR, PROD (R)	*ESTIMATED	
1255	1490	25.0				01-66		1	6	80	PRODUCED (B)	*ESTIMATED	
1204	1500	18.5	19.5	102	38.0	10-50		650*	675*	14700*	TAR SPR, PROD (R)	*INCL 1252	
	1580	11.6	18.3	85				360*	400*	7770*			
	1620	15.4	19.1	109				260	280	5890			
	1660	14.1						25	25	541			
1216	1500	12.0	18.6	91	37.5	06-57		12	5	120	TAR SPR, PROD (R)	*INCL PRIM PROD SINCE 6-57 +EST	
	1560	11.0						2	4	60			
	1580	12.0						4	5	80			
1206	1454	10.0	18.0	43	37.0	07-57		1	6	100	PRODUCED (B)		
1254	1560	7.0				03-67		1	3	70	PRODUCED (B)	*EST. + INCL PRIM PROD SINCE 1967	
1244	1475	22.0			35.5	08-64		6	5	118	TAR SPRINGS (B)		
	1555	22.5						6	5	118			
	1610	27.5						3	2	50			
1205	1522	20.0	19.0	90	38.0	07-57		3	3	40	TAR SPR, PROD (R)	*ESTIMATED	
1225	1500	12.0	19.0		37.0	01-58		1	1	10	PRODUCED (B)	*ESTIMATED	
1235	1475	26.0	19.0		37.0	11-61		1	1	20	PURCHASED (R)	*ESTIMATED	
	1580	15.0	19.0					1	1	20			
1241	1490	68.0	20.0		38.0	11-58		1	9	140	PURCHASED (B)	*ESTIMATED	
1242	1550	15.0			35.0	08-63		2	2	40	PRODUCED (B)	*ESTIMATED	
1248	1530	20.0	19.0		38.0	01-65		1	4	40	TAR SPR, PROD (B)	*ESTIMATED	
*1249	1550	30.0	19.0	150	38.0	06-60	12-69	1	3	40	TAR SPR, PROD (B)		
1210	1504	30.0				08-57		4	4	85	TAR SPR, PROD (R)	*ESTIMATED	
	1540	29.0				07-57				40			
1228	1504	25.0				01-58		2	3	40	TAR SPR, PROD (R)	*ESTIMATED	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
LOUDON, EFFINGHAM, FAYETTE CONTINUED											
	1232	HUGHES PROO.	MOPPER-TOWNSEN-MCLRY	CYPRESS	12-7N-2E	139	2796	11,4	661	139*	3502*
	*1223	HUMBLE O AND R	LOUDON DEVONIAN*	GENEVA	2,10,11,15,20,21,22, 27,28,29,32,33-8N-3E		207361		19241		184970
	*1208	JARVIS BROS.	YAKY	CYPRESS	6-7N-3E		2832		286		1923
	*1234	KINGWOOD OIL CO.	WELKER	BETHEL	13-7N-2E		115		2		23
	1214	KOONS & FRANK EXPL	MOHAN	CYPRESS	29-7N-3E	88*	4589*	4,4*	581*	88*	4740*
	1247	KOONS & FRANK EXPL	KIMBRELL-GOOD	CYPRESS	19-7N-3E	440*	4196*	20,8*	579*	440*	3890*
	1236	M-S-C- CORP	O.L. BURTSCHI	CYPRESS	16-7N-3E	190*	2113*	12,2*	296*	190*	1757*
	1237	M-S-C- CORP	SEFTON	BETHEL	1,12-7N-2E	125*	1226*	7,9*	283*	125*	1480*
	1224	MOBIL OIL CORP.	LOUDON	CYPRESS	5-7N-3E, 32-8N-3E	1989	31655	64,6	5145*	2641	24724
				BETHEL							
	1227	MOBIL OIL CORP.	BUZZARD BROS.	BENOIST	29-8N-3E	178	2299	4,9	237*	131	2015
	*1212	SHULMAN BROTHERS	LOUDON EXTENSION	CYPRESS	34,35,36-8N-3E, 2,3-7N-3E		35840		3208*		23587
	1229	TEXACO, INC.	LOUDON SOUTH UNIT	CYPRESS	6-6N-3E, 31-7N-3E	2009	24238	57,7	2170*	2064 2	5713
	1108	TRI STAR PROO CO	LOUDON EXTENSION	CYPRESS	19-8N-4E	65*	771*	3,3*	118*	65*	271*
	1200	TRI STAR PROO CO	RHOODES, MCCLOY	CYPRESS	26,27,34-8N-3E	85*	1943*	4,4*	93*	85*	1667*
				BETHEL							
	1218	TRI STAR PROO CO	N. LOUDON U	BENOIST	20,21-7N-3E	100*	18918*	5,0*	1620*	100*	14121*
	1219	TRI STAR PROO CO	8. LOUDON U	CYPRESS	21,28,29-7N-3E	100*	15735*	6,0*	2171*	100*	12773*
	1220	TRI STAR PROO CO	OURBIN, FORCE AREA	CYPRESS	24,26-8N-3E	65*	2277*	2,6*	329*	65*	994*
	1221	TRI STAR PROO CO	HIATT	CYPRESS	29-7N-3E	70*	2938*	2,9*	487*	70*	2827*
	*1231	TROOP DRILLING	W A EAGLETON	CYPRESS	20-8N-3E		41		62		100*
LOUISVILLE N, CLAY											
	* 373	MCKINNEY,FUNDERS	WOLF-PORTER	SPAR MTN	9,10-4N-6E		25		2		20
MCKINLEY, WASHINGTON											
	*4011	JET OIL CO.	FREIMAN-MUNLETH	BENOIST	29-38-4W		151		1		152
MAIN C, CRAWFORD, LAWRENCE, JASPER											
	* 667	M. J. ADAMS	M.J.ADAMS W F	ROBINSON	28-8N-12W		1058				
	* 602	ASHLAND O AND R	BIROS 1	ROBINSON	9,10,15,16-5N-11W		19507		536		
	* 603	ASHLAND O AND R	BIROS 2	ROBINSON	20-5N-11W		2512		114		605
	604	BELL BROTHERS	BARRICK	ROBINSON	13-7N-13W		1975*	1,2	145	77	960
	688	C E R PRODUCTION	OBLONG	ROBINSON	9-7N-13W	45*	992*	2,0*	91*	45*	1002*
	* 599	CALIENTE OIL CO	GEORGE L. WALTERS	ROBINSON	2-6N-13W	50*	1632*	2,0*	32*	50*	720*
	* 589	CLARENCE CATT	SPARKS WF NO. 1-M	BETHEL	13-6N-12W		258		11		119
	598	CLARENCE CATT	MUOSON WF	BETHEL	6-5N-12W	20*	792*	0,9*	27*	20*	391*
	* 616	CLARENCE CATT	MC CALL	ROBINSON	1-5N-13W		6		1		6
	643	CLARENCE CATT	EAGLETON UNIT	SAMPLE	1-5N-13W	135*	1093*	7,9*	54*	135*	713*
				BETHEL							
	646	CITATION OIL CO	CONOVER	ROBINSON	19-7N-12W	200*	626*	13,4*	26*	200*	626*
	* 695	JACK COLE	MULLINS	ROBINSON	9-5N-12W		15		8		11
	* 609	E. CONSTANTIN	J.S. KIRK	ROBINSON	29,30,31,32-7N-12W		977*		57*		
	* 610	E. CONSTANTIN	SMITH	ROBINSON	7-7N-12W, 12-7N-13W		337		1		1
	* 607	CREST ASSOCIATES	MITCHELL	ROBINSON	24,25-7N-13W		935*		107*		125*
	* 615	CREST ASSOCIATES	PORTERVILLE	ROBINSON	25,36-8N-13W		1345		44		
	* 619	ENERGY RESOURCES	ALEXANDER-REYNOLDS	ROBINSON	19,20-7N-12W		8450*		602*		2095*
	644	ENERGY RESOURCES	CRAWFORD CO. FLOOD	PENN	6,7-5N-12W	70*	1145*	4,2*	46*	70*	1033*
				BETHEL							
	612	O. W. FRANCHOT	BIROS	ROBINSON	14,15,16,21,22-5N-11W		53049		1529		4250
	617	R. M. FRY	WRIGHT FLOOD C	ROBINSON	23,26-6N-13W		8335*		300*		5640*
	693	R. M. FRY	BHILTS FLOOD C	ROBINSON	8-6N-13W	45*	3499*	2,0*	81*	45*	1897*
	631	MAROLO FUNCANNON	BIROS AREA	ROBINSON	16,20,21,28,29-5N-11W	375*	32520*	17,0*	1538*	375*	20902*
	* 614	GEN. OPERATIONS	LITTLEJOHN	ROBINSON	20-6N-12W		699		34		179
	594	GETTY OIL CO	A.W. MANN	ROBINSON	5,6-5N-12W, 32-6N-12W	583	10373	10,1	470	349	6412
				BETHEL							
	596	GETTY OIL CO	STIFLE-MCKNIGHT	ROBINSON	7,18-7N-13W	326	3128	10,4	221	239	2005
	597	GETTY OIL CO	ALLEN-AMES OEP	BETHEL	29-7N-13W	587	3726	21,7	418	183	1203
				AUX VASES							
				MCCLOSKEY							
	630	GETTY OIL CO	BIRCH 1	ROBINSON	14-6N-13W	291	6934	5,9	493	252	4447
	632	GETTY OIL CO	BARRICK-WALTERS	ROBINSON	18,19-7N-12W, 13,24-7N-13W	2477	37984	43,1	1829	1866	20168
				ROBINSON	16,17,21,22-6N-13W	149	9212	7,1	651	104	5813
	* 634	GETTY OIL CO	GOOD-MAWS	ROBINSON	11-7N-13W		5713		461		5213
	635	GETTY OIL CO	AMEB	ROBINSON	29-7N-13W	139	3151	9,3	320	171	2961
	636	GETTY OIL CO	OENNIS-MARON	ROBINSON	27,34-6N-13W	578	13280	11,0	875	310	8603
	637	GETTY OIL CO	THOMPSON	ROBINSON	26,27-6N-13W	85	2704	4,0	269	74	2521
	* 641	GETTY OIL CO	STIFLE-ORAKE	ROBINSON	9,10,16-7N-13W		8369		564		5788
	645	GETTY OIL CO	M DRAKE	BETHEL	17-7N-13W	203	1496	1,2	18	22	142
				AUX VASES							
	648	GETTY OIL CO	C.M. STIFLE C	BETHEL	8-7N-13W	63	411	0,5	6	5	75*
				AUX VASES							
	649	GETTY OIL CO	J.G.MCKNIGHT C	BETHEL	18-7N-13W	10	230	1,2	11	15	85
				AUX VASES							
	665	GETTY OIL CO	HIGHSMITH	ROBINSON	20,21-6N-12W	421	6958	8,2	280	173	3581
	* 696	GETTY OIL CO	WALTERS-BIANIZ	ROBINSON	14,15-7N-13W		938		58		597
	* 621	ILL. LSE, OP.	BIEMR-NEWLIN-MOUBER	ROBINSON	19-7N-13W		288*		28*		117*
	* 618	G. JACKSON	STANFIELD	ROBINSON	17-8N-12W		47				5
	613	KOONS & FRANK EXPL	CULVER WATERFLOOD	ROBINSON	5,6,7-7N-12W		4691*		189*		
	590	PERRY LACKEY	QUICK HRS MARTLEROAD	ROBINSON	29-7N-12W		368*		50*		250*
	591	O. R. LEAVELL	BIOLE	ROBINSON	25-8N-13W	70*	723*	3,6*	26*	70*	384*
	606	O. R. LEAVELL	GROGAN (FLOOD 26)	ROBINSON	4,5,9-7N-13W		6064*		433*		
	611	O. R. LEAVELL	OBLONG (FLOOD 25)	ROBINSON	5,8,9-7N-13W	40*	9043*	2,0*	630*		
	669	O. R. LEAVELL	OBLONG (FLOOD 27)	ROBINSON	8-7N-13W	50*	1556*	3,5*	191*		
	670	O. R. LEAVELL	STIFLE	ROBINSON	8-7N-13W		3010*		52*		
	691	O. R. LEAVELL	OBLONG (FLOOD 29)	ROBINSON	17-7N-13W		190*		65*		
	620	THE MACDONELL CO	CONOREY AREA	ROBINSON	6,7-7N-13W/12-7N-14W	321	3248	31,4	241	321	2664
	671	THE MACDONELL CO	KIRTLAND U	ROBINSON	5-6N-13W	229	6658	2,7	174	229	2707
	672	THE MACDONELL CO	KIRTLAND-OEE	ROBINSON	5,6-6N-13W	665	18976	25,0	909	653	12234

in Illinois, 1976 - continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
Project no.								Inj.	Prod.			
LOUGEN, EFFINGHAM, FAYETTE CONTINUED												
1232	1505	25.0			36.0	08-57		5	7	100	TAR SPR, PROO (B)	*ESTIMATED
*1223	3100	18.0	14.4	41	29.0	09-43	12-66*	7	42	2600	PRODUCED (B)	*CONVERTED TO GAS STORAGE RESERVOIR
*1208	1400	18.0				11-57	12-69	3	4	70	TAR SPR, PROO (B)	
	1540	27.0						2	5	70		
*1234	1558	11.0				05-62	12-69	1	1	10	TAR SPR, PROO (B)	
1214	1595	28.0			36.0	08-55		2	4	80	TAR SPR, PROO (B)	*ESTIMATED
1247	1534	22.0				01-59		2	5	40	TAR SPR, PROO (B)	
1236	1550	15.0			39.0	09-53		4	8	60	TAR SPR, PROO (B)	*ESTIMATED 1974-76
	1580	12.0						4	7	60		
1237	1560	20.0			39.0	08-57		2	3	50	TAR SPR, PROO (B)	*ESTIMATED 1974-76
1224	1450	18.0	18.4	101	37.0	01-58		24	12	240	TAR SPR, PROO (B)	*INCL PRIM PROO SINCE 1-58
	1525	20.0						12	12	240		
	1550	40.0						12	12	240		
1227	1400	20.0	18.4	102	38.3	10-58		2	2	40	TAR SPR, PROO (B)	*INCL PRIM PROO SINCE 10-58
	1420	20.0						2	2	40		
*1212	1530	30.0	20.0	200	36.0	12-55	12-68	46	48	416	TAR SPR, PROO (B)	*INCL PRIM PROO SINCE 12-55
1229	1600	25.0	18.5		37.0	05-60		19	18	632	PRODUCED (B)	*INCL PRIM SINCE 12-60
1108	1550	8.0			36.7	01-63		4	6	200	TAR SPR, PROO (B)	*ESTIMATED 1975-76
1200	1515	12.0			37.5	01-54		8	1	20	PRODUCED (B)	*ESTIMATED 1975-76
	1570	12.0						4	4	80		
	1590	10.0						6	6	120		
1218	1550	21.0	21.0	180	37.5	11-56		5	5	250	TAR SPR, PROO (B)	*NO INJ 8-72 TO 1-76; *EST 73-76
1219	1550	18.4	20.4	164	37.5	03-55		5	5	350	PRODUCED (B)	*ESTIMATED 1975-76
1220	1493	30.0			37.5	10-56		2	2	160	PRODUCED (B)	*INCL PRIM PROO SINCE 10-56 *EST
1221	1536	40.0	19.0	250	37.2	09-56		2	2	40	PRODUCED (B)	*ESTIMATED 1975-76
*1231	1520	6.0			39.4	04-61	04-71	1	2	40	TAR SPR, PROO (B)	*SINCE 1-65
LOUISVILLE N, CLAY												
* 373	2800	10.0				11-70	05-72	1	2	30	CYPRESS (B)	
MCKINLEY, WASHINGTON												
*4011	1050	10.0				04-65	07-69	2	2	20	PRODUCED (B)	
MAIN C, CRAWFORD, LAWRENCE, JASPER												
* 667	1000	22.0	18.5	98		01-58	12-58	5	4	80	LAKE, PRODUCED (M)	
* 602	950	30.0	21.0	136	31.0	05-54	01-64	67	53	530	PENN SAND (B)	
* 603	930	25.0	21.0	125	30.8	03-57	01-66	11	9	200	GRAV, PROD (M)	
604	960	56.0	19.2	126	34.9	10-54		4	2	40	PENN SO, PROO (B)	*INJ CEASED 5-1-69
688	980	20.0	40.0	75	36.0	07-52		5	12	200	PRODUCED (B)	*ESTIMATED
* 599	930	20.0	18.1	141	32.7	10-64	12-75	5	7	70	PENN SO, PROO (B)	
* 589	1350	7.0				02-64	01-70	1	1	20	PRODUCED (B)	
598	1320	10.0			35.0	04-64		2	1	20	8M 80 (F)	*ESTIMATED
* 616	820	18.0			32.0	05-66	01-70	1	3	40	PRODUCED (B)	
643	1257	19.0	17.6		33.0	01-68		4	3	80	PRODUCED (B)	*ESTIMATED
	1323	15.0	16.0					4	3	80		
646	930	22.0	19.0	95		06-70		5	6	40	PENN SO (B)	*ESTIMATED
* 695	925	10.0	20.0	100	33.4	12-62	12-68	2	6	100	PENN 80 (B)	
* 609	900	20.0	17.0	170	34.0	08-51	06-69	14	37	56	CITY WATER (F)	*NO DATA SINCE 1960
* 610	900	25.0	18.0	70	34.0	03-54	01-70	6	5	50	SURFACE (F)	
* 607	890	10.5	21.1	99	33.5	06-53	01-65	13	19	78	PENN SO, PROO (B)	*NO DATA 1963-65
* 615	890	20.0	17.0	47	32.6	04-54	01-70	5	19	50	LAKE (F)	
* 619	940	22.0	22.0	167	34.0	12-51	01-76	33	32	280	CYPRESS, PROO (B)	*TEMP ABO 8-71
644	1180	7.5	17.6	324	34.0	06-68		1	4	50	PENN SO (B)	*ESTIMATED 1972-76
	1380	7.8	17.3	46	36.0			2	9	140		
* 612	950	20.0	18.9	162	31.7	06-51	11-71	95	104	1030	RIVER GRAV, PROD (M)	
617	900	15.0	20.0	245	34.0	01-53		9	16	18	PENN, PROO (B)	*EST 1970-73/1974 COMB WITH #650
693	900	10.0	18.0	150	36.0	06-63		6	6	80	PENN, PROO (B)	*ESTIMATED 1970-76
631	950	21.8	19.4	197	30.1	02-52		51	49	764	GRAV, PROD (M)	*ESTIMATED 1972-76
* 614	850	24.0	20.0	50	37.5	10-52	12-58	4	9	60	PENN SO, PROO (B)	
594	950	20.1	20.0	150	33.0	01-64		18	19	140	BASAL PENN, PROO (B)	
	1320	9.0	16.0	40				9	6	80		
596	950	17.3	20.0	100	34.0	04-61		9	9	92	PENN SO, PROO (B)	
597	1332	10.0	14.2	30		01-70		9	5	170	PROD, FRESH (M)	
	1406	5.0	18.0	10				9	6	170		
	1434	4.0	19.6	10				9	5	170		
630	881	34.3	19.1	108	33.0	08-54		10	7	61	GRAV, PROD (M)	
632	950	30.9	20.0	152	35.0	03-54		28	36	407	PENN SO, PROO (B)	
633	930	24.3	21.0	378	35.0	09-57		4	5	174	PRODUCED (B)	
* 634	950	20.2	19.6	184	35.3	02-52	11-71	10	19	79	PRODUCED (B)	
635	980	25.3	20.0	150	35.0	10-56		7	8	153	SH SO, PROO (M)	
636	875	33.7	19.8	173	32.7	08-50		18	10	93	PURCHASED (B)	
637	860	32.9	19.8	108	33.0	09-52		8	3	40	PURCHASED (M)	
* 641	980	23.6	18.2	221	33.5	06-52	11-71	19	19	278	PENN SO, PROO (B)	
645	1364	8.0			36.8	10-71		6	2	80	SH SO, PROO (M)	
	1404	6.0						6	2	80		
648	1403	14.0	14.0	13	34.0	01-72		2	2	80	PURCHASED (B)	*ADJUSTED TO 1976 DATA
	1438	12.0	11.0	2				2	2	80		
649	1412	3.0	11.5	19	34.0	09-72		1	1	20	PURCHASED (B)	
	1435	8.0	8.8	2				1	1	20		
668	920	21.2	20.0	80	35.0	04-59		11	6	140	PENN SO, PROO (B)	
* 696	950	17.1	19.0	200		06-63	11-71	4	10	67	PENN 80, PROO (B)	
* 621	896	36.0				07-63	01-73	2	5	180	PENN 80 (B)	*NO DATA BEFORE 1967
* 618	977	30.0	23.0	57	36.0	06-52	08-53	3	3	20	SH SO, PROO (M)	
613	950	17.0	19.5	108	36.8	02-61		13	20	126	PONO, PROO (M)	*NO DATA SINCE 1971
590	935	12.0	19.3	36	37.0	11-64		4	9	60	PRODUCED (B)	*INJ SUSPENDED 1972
591	1000	10.0	15.0	85	34.0	07-61		3	6	80	PRODUCED (B)	*ESTIMATED
606	950	20.4	18.9	71	37.0	10-53		12	22	151	GRAV, PROO (M)	*ESTIMATED; *NO DATA, 1975-76
611	950	23.2	18.3	69	37.0	08-56		23	29	174	GRAV, PROO (M)	*ESTIMATED
669	950	15.3	17.8	33	37.0	01-58		8	8	87	GRAV, PROO (M)	*ESTIMATED SINCE 1969
670	950	24.4	18.9	85	37.0	01-58		5	2	27	GRAV, PROO (M)	*ESTIMATED; *NO DATA 1973-76
691	950	15.0	18.6	106	37.0	01-63		1	5	22	GRAV, PROO (M)	*NO DATA 1973-76
620	910	21.0	20.8	165	34.4	11-66		5	29	310	PRODUCED (B)	
671	800	40.0	20.1	143	34.9	01-58		9	7	30	PENN SO, PROO (B)	
672	913	40.0	20.8	158	36.8	01-58		23	61	330	PENN SO, PROO (B)	



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
MAIN C, CRAWFORD, LAWRENCE, JASPER CONTINUED											
	623	MARATHON OIL CO.	17 PROJECTS*	ROBINSON	T6,7,8N-R12,13,14W	11454	449921	336,3	29545	10906	283605
	650	MARATHON OIL CO.	FLOOD 99-X	ROBINSON	687N-R13W	327	1599	18,9	66	468	1212
	698	MARATHON OIL CO.	THORNTON WF 21-M	BETHEL	17,18,19,20,29-7N-13W	2099	24999	115,6	2879	1542	13086
				AUX VASES							
				MCCLOSKEY							
	* 592	MT, CARMEL DRUG.	NEW MEBRON WATERFLOOD	ROBINSON	22-6N-12W		1562		113		887
	* 593	MT, CARMEL DRUG.	STEWART-INBODEN	BETHEL	36-6N-12W		133		5		32
	* 624	PARTLOW, COCHNOR	RICH	ROBINSON	35,36-6N-12W		2716		67		1134
	* 662	PETROL, PROD, CO	RHODES	ROBINSON	29,32-6N-12W		445				
	608	PRUDENTIAL OIL	TOMILL-MUGMES	ROBINSON	27,28-6N-13W		4035		401		4180
	* 625	RED MEAD OIL CO.	DIM	ROBINSON	25,26-3N-13W		4220		105*		1103*
	* 663	REE, INC.	MESERVE UNIT	ROBINSON	11-6N-13W		251		1		
	* 626	E. C. HEEVES	BILLINGSLEY COOP	ROBINSON	34,35-7N-13W		2736*		89*		92*
	* 605	M. F. ROBERTS	ATMOP C	ROBINSON	19,20-8N-12W		2208		35		
	622	CURTIS ROSS	OSES-LEWIS-WALL-YOUNG	ROBINSON	4,9-6N-13W	200*	2400*	12,2*	122*	200*	2000*
	647	ROYALCO, INC.	OHLONG BENOIST	BETHEL	19,20,29,30-7N-13W	180*	712*	19,0*	361*	180*	1137*
	* 680	ROYALCO, INC.	OAK RIDGE	BETHEL	17-5N-12W		537				
	* 681	ROYALCO, INC.	OAK RIDGE U	CYPRESS	17-5N-12W		3213		108*		893*
	* 685	ROYALCO, INC.	DENNIS MEIRS U	ROBINSON	29,30-7N-13W		22916		1032		8368
	* 686	ROYALCO, INC.	C.J. BEST	ROBINSON	20,29-7N-13W		2366		109		874*
	* 687	ROYALCO, INC.	STEWART MEIRS	ROBINSON	21-6N-13W		4090		289		2310
	* 689	ROYALCO, INC.	HULSE-ALLEN	ROBINSON	12,13-7N-14W		397		75		424*
	* 697	ROYALCO, INC.	OSES C	ROBINSON	28-6N-13W		1463		60		858
	* 627	SHAKESPEARE OIL	MCINTOSH UNIT	ROBINSON	17,18,19,20-6N-12W		396		18		241
	* 628	SHAKESPEARE OIL	MONTGOMERY UNIT	ROBINSON	32,33-6N-12W		516		18		177
					4-5N-12W						
	* 664	C. E. SKILES	WALTER COMM COOP	ROBINSON	1-6N-13W, 36-7N-13W		26				29
	* 661	SKILES OIL CORP.	CORRELL-GURLEY COOP	ROBINSON	10-7N-12W		1214		30		227
	* 665	SKILES OIL CORP.	WEGER COOP	ROBINSON	18,19-5N-11W		770		8		109
					13,24-5N-12W						
	* 595	JAMES M. STONE	MC CANE	ROBINSON	28-7N-12W		55		1		12
	* 629	JAMES M. STONE	CLARK-MULSE	ROBINSON	18-7N-13W		5726		303		3981
	639	JAMES M. STONE	LEFEVER-MUSGRAVE	ROBINSON	13-7N-14W	60*	3699**	1,8*	425**	60*	2219**
	* 638	TIDEWATER OIL CO	HENRY-TEKEMIRE	ROBINSON	10,15-7N-13W		4187		470		2401
	* 640	TIDEWATER OIL CO	MONTGOMERY-SEITZINGER	ROBINSON	15,16-5N-11W		1544		67		817
	* 642	TIDEWATER OIL CO	WALTER-STAMM COOP	ROBINSON	13,14-7N-13W		991		111		712
	* 679	WAUSAU PET. CORP	HIGSMITH COOP	ROBINSON	31-6N-12W		153*				37*
	659	E. L. WHITMER	SANDERS	ROBINSON	26,34,35,36-6N-13W,	140*	6626*	6,0*	121*	140*	1901*
					1,2,3-5N-13W						
	694	WICHITA INDUSTRIES	FLYNN	ROBINSON	26,35-8N-13W	350*	5201*	15,3*	539*	330*	3564*
	* 692	GEORGE WICKMAN	PRICE, KEITH, BARLOW	ROBINSON	8,17-7N-12W		1571		59		921
		MAPLE GROVE C, EDWARDS, WAYNE									
	*1008	ASHLAND O AND R	BENNINGTON COOP	MCCLOSKEY	7,18-1N-10E		572		166*		
	4078	ENERGY RESOURCES	MT ERIE E	AUX VASES	22,23-1N-9E		108*		10*		18*
	4063	TRIPLE B OIL CO	MURBLE	AUX VASES	13-1N-9E	110*	540*	5,3*	32*	110*	460*
	*1025	L. URBANSKI	MAPLE GROVE	MCCLOSKEY	9,10-1N-10E		1238*		188*		1238*
	*1127	WINMAR OIL CO.	W BENNINGTON	AUX VASES	13-1N-9E		171*		32**		213
		MARINE, MADISON									
	2504	KARCHMER PIPE	MARINE PILOT U	SILURIAN	8,9,17-4N-6W	280*	1804*	3,2*	25*	280*	1736*
	MARKHAM CITY, JEFFERSON										
	*2003	TIDEWATER OIL CO	NEWTON	STE GEN	1-3S-4E				1		7
		MARKHAM CITY W, JEFFERSON									
	*2004	GULF OIL CO	W MARKHAM CITY U	AUX VASES	3,4,9,10-3S-4E		6404		429		4477
				MCCLOSKEY							
	*2020	H DOUBLE L	MARKHAM CITY WEST U	MCCLOSKEY	34,35-2S-4E, 2-3S-4E		300		1		300
		MARTINSVILLE, CLARK									
	* 214	AMERICAN PUMP	FROEDMAN AND CONNELLY	PENNSYLVANIA	13-9N-14W		3778*		121*		
	* 218	J. B. BUCHMAN	W MORGAN	CARPER	31-10N-13W		283				5
	* 219	MOBIL OIL CORP.	CARPER	CARPER	30-10N-13W		1111		10*		10
	* 220	MOBIL OIL CORP.	CASEY	CASEY	19-10N-13W		872		2		34
		MASON N, EFFINGHAM									
	1104	MID-STATES OIL PROP	MASON N U	BENOIST	9,10-6N-5E	35*	2317*	2,6*	169*	35*	2353*
				AUX VASES							
		MATTOON, COLES									
	* 515	ASHLAND O AND R	DEGLER BROS COOP	CYPRESS	3-12N-7E		459		22		174
				SPAR MTN							
	900	N. A. BALORIOGE	MATTOON	CYPRESS	23,24,25,26,27,34,35,	450*	33874*	19,3*	2087*	450*	14567*
				SPAR MTN	36-12N-7E, 2,11-11N-7E						
	507	N. A. BALORIOGE	UOELL	SPAR MTN	10-11N-7E	80*	581*	4,7*	26*	80*	581*
	512	N. A. BALORIOGE	SOUTH MATTOON UNIT	CYPRESS	34-12N-7E, 3-11N-7E	280*	10780*	11,6*	1216*	280*	6022*
				AUX VASES							
				SPAR MTN							
	520	N. A. BALORIOGE	MATTOON COOP	SPAR MTN	10,11-11N-7E	25*	641*	1,8*	74*	25*	251*
	* 504	OELL CARROLL	MATTOON	CYPRESS	23-12N-7E		189		20		88
	* 506	OELL CARROLL	MATTOON	SPAR MTN	23-12N-7E		348		84		173
	* 516	OELL CARROLL	CARLYLE 4-A	SPAR MTN	11-11N-7E		47		25		28
	583	COLLINS BROS.	LANOSMAN-HILL	CYPRESS	27-12N-7E	50*	775*	2,4*	87*	50*	775*
				SPAR MTN							
	503	WALTER DUNCAN	REDMAN-MACKE	CYPRESS	23-12N-7E	50*	603*	2,8*	74*	50*	649*
				SPAR MTN							
	511	WALTER DUNCAN	OMH	CYPRESS	2,3-11N-7E	250*	3035*	14,3*	428*	250*	1290*
				AUX VASES							
				SPAR MTN							
	514	WALTER DUNCAN	ARTHUR-OLIVER	SPAR MTN	2-12N-7E	110*	3225*	3,5*	247*	110*	1530*
	521	WALTER DUNCAN	COLEMAN UNIT	SPAR MTN	10-11N-7E	37*	884*	1,6*	179*	37*	767*
	* 501	PHILLIPS PET. CO	TINSLEY	SPAR MTN	22-12N-7E		249		15		144
	* 509	SAFARI OIL CO	NORTH MATTOON UNIT	CYPRESS	10,11-12N-7E		1977		157*		457



Field, County  Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
								Inj.	Prod.				
MAIN C, CRAWFORD, LAWRENCE, JASPER CONTINUED													
623	920	20.0	19.5	125	34.0	05-48		344	442	6176	GRAV, PROD (M)		*WILKIN, HUGHES, BRUBAKER, HAMILTON HARGIS, REED, FAWLEY, PPRICE, SMILT WOOD, YORK, KIRTLAND, BONO, CARLTON MANN, SHIRE, ARNOLD
650	900	20.0	20.0	100		01-74		1*	1*	1*	PRODUCED (B)		*NOW INCL IN OTHER WF PROJECTS
698	1340	10.0	15.0	30	38.0	07-63		48	43	1410	GRAV, PROD (M)		
	1390	8.0						45	40	1410			
	1450	8.0						32	25	1050			
* 592	930	14.0	15.8	16	36.0	01-63	10-71	8	14	130	PENN SD (R)		
* 593	1310	10.0	16.0	45	34.0	03-64	07-66	2	2	50	PENN SD, PROD (B)		
* 624	1006	22.0	24.3	240	26.0	10-54	12-61	5	9	60	LAKE, PROD (M)		
* 662	1000	15.0	20.0	75	39.7	09-51	12-56	4	2	40	SH SD, PROD (M)		
608	900	20.0	20.0	100	32.0	06-51		6	9	130	SH SD, PROD (M)		*EST VAR 1951-73/COMB W/650 1974
* 625	840	10.5	21.2	98		07-53	12-62	16	14	103	PENN SD, PROD (R)		*1960, 1961 ESTIMATED
* 663	950	22.7	21.9	89		11-53	05-55	4	4	20	PENN SD (R)		
* 626	925	20.0	30.0	45		12-53	07-64	6	8	115	PENN SD (R)		*NO DATA FROM 1961 THRU 1964
* 605	1000	22.4	22.1	156	35.7	11-53	02-60*	26	7	70	SH FR, PROD (M)		*ESTIMATED
622	875	15.0				01-68		14	16	300	SH SD, PRODUCED (M)		*ESTIMATED
647	1250	8.0	16.5	20	38.0	04-71		7	14	360	PRODUCED (B)		*ESTIMATED 1976
* 680	1590	8.0	14.0	15	35.7	10-61	05-69	1	5	420	SH WELL, PROD (M)		*INCL WITH 681
* 681	1470	15.0	18.5	57	35.9	10-61	05-69	5	6	420	SH WELL, PROD (M)		*INCL 680
* 685	950	20.0	19.0	120	37.2	12-59	05-69	71	84	380	SH WELL, PROD (M)		
* 686	950	20.0	15.0	12	37.2	11-61	05-69	7	11	80	SH WELL, PROD (M)		*ESTIMATED
* 687	990	38.0	28.7	240	37.0	10-60	11-70	6	9	40	PRODUCED (B)		
* 689	936	50.0	18.5	74	36.8	12-61	03-69	3	5	180	PURCHASED (B)		*ESTIMATED
* 697	930	12.0	17.0	64	37.2	09-61	05-69	7	9	160	SH WELL, PROD (M)		
* 627	925	12.0			32.6	07-54	01-59	4	8	39	PENN SD (R)		
* 628	975	25.8	22.6	150	28.3	05-54	05-58	6	6	52	PENN SAND (R)		
* 664	985	12.5	20.1	93	36.0	12-51	01-53	5	6	40	PENN SD, PROD (R)		
* 661	1035	20.0	22.2	100	33.0	07-51	09-55	18	17	180	PENN SD, PROD (B)		
* 665	900	20.0	17.0	37		11-52	07-56	9	11	90	CREEK, PROD (M)		
* 595	1128	30.0	19.0	200		03-65	06-66	1	4	5	PENN SD (R)		
* 629	910	25.4	19.9	278	34.0	01-52	01-70	13	4	80	SH SD, PROD (M)		
639	910	24.4	20.0	250	34.0	02-54		14	14	119	SH SD, PROD (M)		*ESTIMATED SINCE 1966 *CORRECTED
* 638	935	14.6	21.0	175	35.0	07-48	12-63	24	44	104	PENN SD, PROD (R)		
* 640	979	21.0	19.0	144	32.0	05-54	12-65	6	3	64	SH SD, PROD (M)		
* 642	987	15.9	20.0	100	35.0	11-54	07-65	7	2	56	PENN SD, PROD (R)		
* 679	890	20.0	21.5	50	32.0	09-51	04-59	13	23	130	PENN SD (R)		*LAST DATA AS OF 12-31-52
659	880	20.0	21.0	205	32.0	08-52		65	57	277	PENN SD, PROD (B)		*ESTIMATED; NO DATA 1958-1974
694	980	12.0	18.6	200	37.4	11-63		14	18	210	LAKE, PROD (M)		*ESTIMATED 1973-76
* 692	1050	10.0			30.0	05-62	09-66	2	3	30	PENN SD, PROD (R)		
MAPLE GROVE C, EDWARDS, WAYNE													
*1008	3100	5.0			38.0	09-52	06-61	4	11	300	PRODUCED (B)		*INCLUDES PRIMARY PROD
4078	3170	15.0				11-68		1	1	30	PENN SD (R)		*ESTIMATED, NO DATA SINCE 1973
4063	3150	12.0				09-71		2	8	110	PENN SAND,		*ESTIMATED
*1025	3270	8.0			36.0	07-61	01-74	5	5	280	CYPRESS, PROD (R)		*ESTIMATED SINCE 1967
*4127	3150	15.0	24.0	50	37.0	01-57	12-61	1	5	60	CYPRESS SD (B)		*ESTIMATED *INCL PRIM PROD
MARINE, MADISON													
2504	1725	99.0			34.0	12-70		3	7	240	PROD & SUPPLY (M)		*ESTIMATED
MARKHAM CITY, JEFFERSON													
*2003	3080	6.0				08-55	12-56	1	1	40	CYPRESS (R)		*OUMP FLOOD
MARKHAM CITY W, JEFFERSON													
*2004	2900	11.8	22.1	269	38.0	04-54	12-63	12	9	230	CYPRESS, PROD (R)		
	3000	7.0	15.4	230				7	7	150			
*2020	3050	10.0			36.0	09-64	03-67	1	2	270	CYPRESS (R)		
MARTINSVILLE, CLARK													
* 214	530	25.0	24.0	43	32.0	01-56	03-75	50	42	240	LAKE (F)		*NO DATA 1959-69
* 218	1346	40.0	16.0	11	30.0	10-52	12-53	2	6	40	SH SD (F)		
* 219	1334	27.0				01-51	02-55	4	1	10	SH GRAV (F)		*INCL PRIM PROD 1-51 TO 2-55
* 220	464	25.0				08-50	12-54	8	3	23	SH GRAV, (F)		
MASON N, EFFINGHAM													
1104	2280	11.0	16.0	24	38.0	10-58		2	3	100	TAR SPR, PROD (B)		*ESTIMATED
	2344	17.0				08-65		1	1	30			
MATTOON, COLES													
* 515	1722	10.0			38.4	12-63	02-67	2	5	80	PURCHASED (B)		
	1920	10.0						2	5	80			
500	1750	13.0	16.0	84		05-52		20	25	850	PROD, SEWAGE EFF (M)		*ESTIMATED
	1950	12.0						20	28	900			
507	1980	19.0			35.0	04-66		2	2	50	PRODUCED (B)		*ESTIMATED
512	1800	14.6	20.0	54	39.0	03-62		13	18	300	GRAVEL BED (F)		*ESTIMATED
	1910	10.0						6	4	100			
	1980	11.0	12.6	97				17	19	400			
520	1960	10.0	12.0			04-66		3	6	80	SH SD (F)		*ESTIMATED
* 504	1770	9.0				04-59	12-66	4	7	100	PURCH, PROD (B)		
* 506	1970	10.0			37.0	04-59	12-66	4	7	100	PURCH, PROD (B)		
* 516	1975	12.0			36.0	05-64	01-72	1	2	35	PURCHASED (B)		
523	1785	8.0				04-61		1	2	30	PRODUCED (B)		*ESTIMATED
	2000	6.0						1	2	30			
503	1770	10.0				06-59		1	1	20	PRODUCED (B)		*ESTIMATED
	1970	9.0						2	2	40			
511	1800	20.0				08-62		5	9	160	GRAVEL BED (F)		*ESTIMATED
	1920	12.0				09-68		1	3	40			
	1970	12.0						8	8	160			
514	1930	8.0				02-63		4	4	180	SH SD, PROD (M)		*ESTIMATED
521	1920	11.0				04-66		3	2	50	GRAV, PROD (M)		*ESTIMATED
* 501	1950	10.0	15.0	990	37.0	11-50	12-54	2	5	70	PRODUCED (B)		
* 509	1800	10.0	18.0	40	39.0	02-61	01-72	8	15	360	PENN SD (B)		*INCL PRIM PROD SINCE 2-61

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
MATTOON, COLES CONTINUED											
* 519	8CHAEFER OIL CO.	HERKIMER	SPAR MTN	11-12N-7E		1124*		58*		334*	
517	STEVEN & FORSYTHE	G. BRINING	AUX VASES SPAR MTN	3-11N-7E	75*	537*	4.3*	71*	75*	418*	
MATTOON N, COLES											
518	ELMER M NOVAK	N.W. MATTOON WF	8PAR MTN	22-13N-7E	74*	1570*	2.3*	160*	74*	1430*	
MAUNIE N C, WHITE											
4307	DEVON CORP.	ACKERMAN-80MLEBER-JSN	AUX VASES	35-55-10E	*	652*	*	65*	*	115*	
4328	DEVON CORP.	ACKERMAN	AUX VASES SPAR MTN	23,26-55-10E	55	1268*	3.2	89*	27	593*	
4384	MIO-STATES OIL PROP	MAUNIE WF U	PENNSYLVNIN BETHEL AUX VASES	24,25,36-55-10E	160**	6407**	8.0**	1630**	160**	3748**	
*4282	LOUIS PESSINA	RIBEYRE ISLAND UNIT	MCCLOSKEY WALTERSBURG TAR SPRINGS	19,30-55-14W		817		180		373	
4356	REBSTOCK OIL CO.	M B 80MLEBER	AUX VASES MC CLOSKEY	26-55-10E	15*	1068*	0.9*	145**	15*	1116**	
*4220	RULED OIL CORP.	MAUNIE N U	AUX VASES	18,19-55-14W		2640*		338*			
*4272	G. SCHOONMAKER	MAUNIE W UNIT	AUX VASES	35-58-10E, 2-63-10E		2720*		184*		1737*	
*4405	WALKER ORLG CO.	GRAY	BETHEL AUX VASES	25-55-10E		69		1		7	
MAUNIE S C, WHITE											
4213	ABSHER OIL CO	PALESTINE UNIT	BRIDGEPORT PALESTINE TAR SPRINGS AUX VASES	13,24-65-10E/ 18-65-11E	520**	2420**	43.0**	190**	520**	1345**	
						13535		1721		12150	
*4230	MOBIL OIL CORP.	TAR SPRING8 U	TAR SPRINGS	19-65-11E		4748		792*		2049	
				24,25-65-10E							
*4239	MOBIL OIL CORP.	MAUNIE COOP	TAR SPRINGS	24-65-10E		180		11*		102	
*4268	MOBIL OIL CORP.	TAR SPRINGS U 2	TAR SPRINGS	24-65-10E, 19-65-11E		639		60		209	
4273	BERNARD PODOLSKY	ARNOLO UNIT	CYPRESS	7,18-65-11E		848*	4.7	257	1	133	
*4265	REBSTOCK OIL CO.	SOUTH CLEAR POND	PALESTINE TAR SPRINGS	12,13-65-10E		2097		141		428	
MELROSE, CLARK											
* 227	SHAKESPEARE OIL	MELROSE U	ISAHEL	13,24-9N-13W		192		4		2	
MILETUS, MARION											
2632	FEAR AND OUNCAN	JONES #1	BENOIST	16-4N-4E	25*	246*	1.8*	14*	25*	241*	
MILL SHOALS, HAMILTON, WAYNE, WHITE											
4352	AMERICAN PUMP	MCINTOSH U	AUX VASES	31-35-8E, 6-48-8E	90*	5787*	4.4*	456*	90*	3756*	
4386	AMERICAN PUMP	MILL SHOALS U	AUX VASES	19,20-35-8E	65*	3751*	3.1*	255*	65*	2956*	
4410	COY OIL CO	BROWN ET AL	AUX VASES	29,30,31,32-35-8E	70*	1001*	3.7*	126*	70*	895*	
*1571	PAUL GRAEHLING	FYIE	AUX VASES	25-35-7E		*		37*			
*1505	BARRON KIDD	GARONER	AUX VASES	24-35-7E		*		28			
4133	SHULMAN BROTHERS	POORMAN-FOX	AUX VASES	13-35-7E, 18,19-35-8E	75*	1312*	7.1*	109*	75*	538*	
1569	TAMARACK PET.	DAUBY-NEWBY SW	AUX VASES	36-35-7E	329	1417*	15.6	181*	347	1021	
4279	TAMARACK PET.	DAUBY-NEWBY NE U	AUX VASES	30,31-35-8E	576	3434*	8.3	199*	386	1648	
*4411	TAMARACK PET.	E. MILL SHOALS	AUX VASES	20,29-35-8E		1319		74		513	
4183	TEXACO, INC.	A.J. POORMAN *A* NCT-2	AUX VASES	19-35-8E	122	3060	9.4	148	122	796	
4337	TEXACO, INC.	A.J. POORMAN *A*NCT 1	AUX VASES	31,32-35-8E	110	2630	4.9	201	91	1153	
*1506	SAM TIPPIS	B.R. GRAY, TRUSTEE	AUX VASES	1-45-7E		3211*		349		1444*	
*4363	M. WEINERT EST.	MILL SHOALS UNIT	AUX VASES	30-35-8E		6705		326		3089	
4397	M. WEINERT EST.	WEST MILL SHOALS UNIT	AUX VASES	20,29,30-35-8E	110	3230	2.8	189			
MODE, SHELBY											
3802	DURR & DANNENBERG	MODE FIELD	BENOIST	15,16,21,22-10N-4E	35*	496*	1.6*	334**	35*	506*	
MONTROSE N, CUMBERLAND											
708	EGO OIL CO	MONTROSE WF	MCCLOSKEY	34-9N-7E	*	103*	0.2	11	*	9*	
MT CARMEL, WABASH											
3855	T. M. BANE ESTATE	HARRIS	BI EHL CYPRESS	17-15-12W	*	*	10.2*	115*			
3864	FRMERS PETR COOP	SHAW	CYPRESS	7-15-12W	58	657*	2.6	107*	14	216*	
*3913	FRMERS PETR COOP	WABASH UNIT	MCCLOSKEY	5-18-12W		425		89		165	
*3941	FIRST NATL PET	SHAW-COURTER	CYPRESS	7-15-12W		259		28		9	
*3946	FIRST NATL PET	SHAW-COURTER	BI EHL	7-15-12W		364		69		148	
*3919	T. W. GEORGE EST.	NORTH MT CARMEL	CYPRESS	4,5-15-12W		350		29			
*3958	T. W. GEORGE EST.	DUNKEL-JOHNSON	CYPRESS	32-1N-12W		400*		22			
*3884	M AND M OIL CO	C F CHAPMAN	TAR SPRINGS	7,18-15-12W		169		10		83	
3854	HAYES DRILLING CO	COTNER	CYPRESS	21-15-12W	*	*	4.6*	80*			
3872	GILBERT A. HIGGINS	CROW-MILLER	CYPRESS	8-15-12W	*	*	0.6*	98*	3*	125	
3983	GILBERT A. HIGGINS	MT CARMEL N U	BI EHL CYPRESS	4,9-15-12W	15*	4239*	1.1*	368*	15*	1400*	
3849	ILL. MIO-CONT.	ZIMMERMAN UNIT	CYPRESS	10-15-12W	150*	420*	7.3*	22*	150*	420*	
*3887	JUNIPER PETROLEUM C	CLAY MOELLER	CYPRESS	5-15-12W		256*		16		191	
3890	JUNIPER PETROLEUM C	PALYMRA U	BI EHL TAR SPRINGS CYPRESS	5-18-12W	112*	3212*	6.9*	202*	97*	1297*	
3977	JUNIPER PETROLEUM C	W. MT CARMEL	CYPRESS	18,19-15-12W	108	1953	4.1	159	59	802	
3882	MERNAN LOEB	CAMPBELL MEIRS	CYPRESS	7-18-12W	55*	775*	2.6*	41*	55*	411*	
3923	LOES & MITCHELL	CHAPMAN-COURTER U	CYPRESS	7,18-15-12W	80*	1954*	3.6*	326*	80*	1353*	
*3921	ELMER M NOVAK	MT CARMEL U	CYPRESS	17-15-12W		1763		129			
*3862	WILLIAM PFEFFER	BAIRO-SCHULER	BI EHL	20-15-12W		160*		12*		142*	
3922	BHELL OIL CO.	MT CARMEL U	BI EHL CYPRESS	17,18-15-12W	120	14069	20.7	1785	215	11100	
*3924	SKILES OIL CORP.	W MT CARMEL	TAR SPRINGS	18,19-15-12W		895		138		513	
3863	WAYNE SMITH, OP.	MT CARMEL UNIT	BI EHL CYPRESS	21-18-12W	208	3642	11.3	284	150	2427	
3889	SO, TRIANGLE CO.	NORTHEAST MT CARMEL U	BI EHL CYPRESS	16,21-15-12W	600*	3713*	42.4*	320*	525*	1845*	
3975	SO, TRIANGLE CO.	BAUMGART-MARE	BI EHL	1-18-13W/6-15-12W	105*	537*	6.1*	90*	105*	417*	

in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
MATTOON, COLES													
CONTINUED													
* 519	1920	8.0			38.0	03-69	12-75	3	11	150	PENN 30 (B)		*1975 DATA ESTIMATED
517	1920	10.0			37.0	11-64		1	3	40	PURCHASED (F)		*ESTIMATED
	1970	15.0						1	1	40			
MATTOON N, COLES													
518	1900	6.0	14.7	167	38.9	03-64		4	9	130	SM 30, PROD (M)		*ESTIMATED SINCE 1970
MAUNIE N C, WHITE													
4307	2955	14.0			35.8	04-67		2	2	40	RIVER GR (F)		*EST; *TEMP ABO, NO DATA 1976
4328	2940	20.0			36.0	06-67		2	3	50	GRAV, PROD (M)		*CUM8 CORRECTED TO 1976 DATA
	3035	4.0				08-61		1	2	40			
4384	1350	10.0			34.0	08-64		1	4	40	RIVER GRAVEL (F)		*ESTIMATED *INC ALL PAYS
	2800	15.0						13	16	290			
	2950	15.0						5	8	140			
	3020	4.0						2	5	50			
*4282	2305	6.0	18.4	204	36.0	05-59	06-68	5	6	120	GRAV, PROD (M)		
	2345	10.0						3	2	50			
4356	2940	15.0		30	37.0	04-67		4	4	80	PRODUCED (B)		*INCL BOTH PAYS *EST
	3050	8.0			37.0			3	3	80			
*4220	2900	12.0				10-57	05-69	5	3	90	RIVER GRAVEL (F)		*ESTIMATED
*4272	2950	13.0	15.4	37	38.0	10-58	10-66	12	12	310	GRAVEL BED (F)		*ESTIMATED 1965-66
*4405	2830	10.0				06-65	01-67	1	2	30	PENN 30 (B)		
	2940	10.0						1	2	30			
MAUNIE S C, WHITE													
4213	1390	7.0				12-70		1	1	20	PRODUCED (B)		*ESTIMATED
	2010	13.5				02-53	12-70	39	23	630			*INC B'PORT, TAR SPR, AUX VASES
	2240	4.0				09-71		1	1	20			
	2850	9.0				09-71		1	1	20			
*4230	2270	14.0	19.0	612	37.3	08-47	12-57	12	13	230	GRAV, PROD (M)		*INCL PRIM PROD, 8-47 TO 12-57
*4239	2275	14.0			38.0	11-55	01-58	2	5	70	GRAV, PROD (M)		*INCL PRIM PROD
*4268	2275	14.0	17.0	550	37.0	11-49	12-54	3	2	50	SM GRAVEL (F)		
4273	2590	4.7	15.5	44	36.2	02-64		2	6	194	PENN 30, PROD (B)		*INJECTION CURTAILED 1973
*4265	2000	8.0			35.0	06-57	12-67	2	4	60	PENN 30, PROD (B)		
	2200	10.0						6	8	150			
MELROSE, CLARK													
* 227	845	9.0	17.0	20	34.8	12-60	08-62	5	6	105	SM SAND (F)		
MILETUS, MARION													
2632	2150	8.0				10-66		1	1	20	PRODUCED (B)		*ESTIMATED
MILL SHOALS, HAMILTON, WAYNE, WHITE													
4352	3220	21.0	20.0	195	39.0	06-62		2	5	373	GRAV, PROD (M)		*ESTIMATED 1976
4386	3220	18.5	18.5	75	39.0	08-64		3	6	188	CREEK, PROD (M)		*ESTIMATED 1976
4410	3225	12.0	18.0	125	37.0	11-65		3	4	70	GRAVEL (F)		*ESTIMATED
*1571	3220	15.0				01-71	09-76	*	1	40			*ADJACENT TO ACTIVE WF *F8T
*1505	3243	11.0				09-56	12-62	1	2	30	MARIONSBURG (B)		*OUMP FLOOD
4133	3235	25.0			37.0	07-67		3	5	140	SM 30, PROD (M)		*ESTIMATED
1569	3200	15.0				04-71		2	6	80	SM GRAVEL (F)		*CUM8, CORRECTED TO 1976 DATA
4279	3200	15.0			38.0	10-69		3	7	130	SHALLOW 30 (F)		*CUM8, CORRECTED TO 1976 DATA
*4411	3250	12.5	19.6	125	38.3	03-65	07-69	5	8	225	CREEK, PROD (M)		
4183	3212	16.0	22.0	130	37.0	08-64		2	3	60	GRAV, PROD (M)		
4337	3200	19.0	15.8	58	36.0	09-61		2	2	200	GRAV, PROD (M)		
*1506	3245	11.0	21.0		37.0	05-52	12-65	10	8	180	GRAVEL BED (F)		*ESTIMATED 1961-65
*4363	3200	22.0	21.0		35.8	08-62	05-69	13	8	220	GRAVEL BED (F)		*ESTIMATED
4397	3240	19.0				09-65		7	8	376	SM 30 (F)		
MOORE, SHELBY													
3802	1770	10.0	15.0		34.0	12-61		3	5	330	PRODUCED (B)		*INCL PRIM PROD *EST
MONTROSE N, CUMBERLAND													
708	2488	10.0			36.0	02-71		1	1	40	CYP SAND (B)		*INJ, SUSPENDED 1-75
MT CARMEL, WABASH													
3855	1480	9.0				07-70		*	2	30			*ADJACENT TO ACTIVE WF *E8T
	1980	6.0						*	1	30			
3864	2070	7.0				05-67		1	5	80	PENN 30 (B)		*CUM8, CORRECTED TO 1976 DATA
*3918	2307	8.0				10-57	12-74	3	6	75	PRODUCED (B)		
*3941	2050	12.0				04-53	12-57	1	4	50	SM 30 (F)		
*3946	1375	16.0			40.2	02-50	12-59	1	2	30	PROD, FRESH (M)		
*3919	2000	14.0			35.4	08-55	12-61	3	4	70	PENN 30 (B)		
*3958	2000	12.0				10-57	02-62	4	5	100	SM 30 (F)		*ESTIMATED
*3884	1766	10.0			33.0	05-64	04-67	1	1	10	PRODUCED (B)		
3854	1980	7.0				07-70		*	2	30			*ADJ TO ACTIVE WF *EST
3872	2010	11.0				01-64		*	2	20			*ADJ TO ACTIVE WF *EST
3983	1450	13.0	18.0	200	35.7	09-61		4	7	120	RIVER, PROD (M)		*ESTIMATED
	1950	7.7	16.0	34	37.4			7	7	243			
3849	1890	12.0				09-73		1	5	70	PRODUCED (B)		*ESTIMATED
*3887	1995	15.0			35.0	11-63	01-74	1	1	20	SM 30, PROD (M)		*INJ SHUT DOWN T-71
3890	1510	8.0			36.0	11-63		1	7	40	SM 30, PROD (M)		*INCL ALL PAYS
	1670	10.0			37.4			1	4	50			
	2020	24.0			37.4			4	9	135			
3977	2046	10.0	17.0	83	35.0	09-61		3	4	80	SM 30 (F)		
3882	2030	11.5	17.2	32	36.0	07-64		2	3	60	SM 30, PROD (M)		*ESTIMATED
3923	2050	19.0	16.5	159	37.0	01-55		3	3	75	PRODUCED (B)		*ESTIMATED
*3921	2140	13.0				07-54	12-61	6	15	234	SM 30, GRAV (F)		
*3862	1475	10.0				07-67	01-74	2	3	60	PRODUCED (B)		*ESTIMATED
3922	1500	16.0	19.0	182	39.2	07-54		15	14	140	WABASH RIVER (F)		
	2075	12.5						13	22	570			
*3924	1730	6.0				10-55	07-63	3	3	70	PRODUCED (B)		
3863	1450	16.0	17.0	100	39.0	12-67		10	10	200	GRAVEL BED (F)		
	2000	10.0	18.0	150				12	12	210			
3889	1475	7.0	18.0	165	32.4	07-70		9	12	220	RIVER GRAVEL (F)		*ESTIMATED
	1980	9.0	19.0	250	36.3			4	5	230			
3975	1660	14.0				11-69		1	4	50	PRODUCED (B)		*ESTIMATED



TABLE 11. Waterflood operations

Field, County Project no. * = AED. + = P. M.	General information				Production and injection statistics (M bbl)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
MT CARMEL, WABASH CONTINUED										
3897 SUPERIOR OIL CO.	R.V.Z. UNIT		TAR SPRINGS	8,9-1S-12W	93	347	2,8*	367*	75*	689*
*3917 TAMARACK PET.	G OUNKEL		CYPRESS		155	1736				
*3873 TEXACO, INC.	KUHN UNIT		BIHEL	5-1S-12W		252*		28		42*
			BRIDGEPORT	16-1S-12W		301		50*		292*
*3875 TEXACO, INC.	STEIN UNIT		CYPRESS			680				
			TAR SPRINGS	5-1S-12W		411		44*		178*
3876 TEXACO, INC.	GEIGER-STECKLER U		CYPRESS			449				
			BIHEL	8,9,16-1S-12W	108	3197	13,3	405	110	1607
			TAR SPRINGS							
*3879 TEXACO, INC.	COUCH-NOLLER		CYPRESS			279		*		*
*3880 TEXACO, INC.	COUCH-NOLLER		BIHEL	16-1S-12W		227		16*		79*
*3925 TEXACO, INC.	STEIN LEASE		CYPRESS	16-1S-12W		327		100		138
			CYPRESS			263				
NEW HARMONY C, EDWARDS, WABASH, WHITE										
4283 ARSHER OIL CO	CALVIN-HON UNIT		TAR SPRINGS	9-4S-14W	15*	4101*	1,1*	438*	15*	3075*
			CYPRESS							
			BETHEL							
4313 ARSHER OIL CO	C. HUGHES		AUX VASES							
			CYPRESS	17-4S-14W	120*	6634*	5,2*	517*	120*	4120*
			BETHEL							
4335 ARSHER OIL CO	BRAMLETT		AUX VASES							
4398 ARSHER OIL CO	BRAMLETT		BETHEL	17-4S-14W	185*	834*	11,1*	106**	185*	946**
			CYPRESS	17-4S-14W	90*	2127*	2,6*	326*	90*	1201*
*3926 ASHLAND O AND R	N MAUD (WALLACE A,B)		BETHEL			715		165		156
*3927 ASHLAND O AND R	RAVENSTEIN		BETHEL	5,6,7,8-2S-13W		99		59		8
3857 JOHN L. AULVIN	SEILER		WALTERSBURG	26,27-1S-13W	95*	818*	4,6*	57*	95*	805*
			HARDINSBURG							
3988 N. A. BALORIOGE	STERL U		BETHEL							
4293 BARGER ENG	FORD 'B'		BETHEL	16-1S-13W	140*	579*	9,4*	44*	140*	390*
			CYPRESS	21-4S-14W	46	2296	8,5	290	46	1816
			BETHEL							
3851 FRANCIS BEARD	SMITH-SEALS-SHEARER-		AUX VASES							
			TAR SPRINGS	32,33-1N-13W	425*	3920*	23,1*	328*	425*	3920*
4274 FRANCIS BEARD	J.J. BOND		CYPRESS	8-4S-14W	95*	5481*	4,5*	513*	95*	2678*
			BETHEL							
4316 BELL BROTHERS	SKILES		AUX VASES							
			CYPRESS	16-4S-14W	61	2096	4,6	269	20	916
			BETHEL							
4426 C. E. BREHM	JOHNSN-STALLINGS-FORD		AUX VASES							
3937 W. E. BRUBECK	EPLER		CYPRESS	5-5S-14W	40	334	7,0	110	40*	334*
			CYPRESS	5,6-3S-13W	35*	480*	5,0*	49*	35*	223*
			BETHEL							
*4219 CALSTAR PET.	FORD 'B'		AUX VASES							
3891 R. G. CANTRELL	SCHROOT STATION & U		SPAR MTN			1113		104		
*3980 DELL CARROLL	FRIENOSVILLE FIELO		BETHEL	21-4S-14W						
*3982 CENTRAL EXPLR CO	FRIENOSVILLE U		CYPRESS	3-2S-13W	40*	1065*	1,9*	71*	40*	275*
4303 CONYERS OIL WELL	ALLEN GRAY 'H' C		CYPRESS	11-1S-13W		345		80		134
4312 CONYERS OIL WELL	FITTON 'A' UNIT		CYPRESS	2,11-1S-13W		2158*		328*		733*
3963 COY OIL CO	KERWIN U		AUX VASES	20-4S-14W	20**	194**	2,0*	90*		
			AUX VASES	29-4S-14W	*	794*	*	101*	*	332*
			BIHEL	14,15,22-3S-14W	93**	5138**	6,7*	1293**	93*	2755**
			BETHEL							
*4338 COY OIL CO	GRAY		AUX VASES			90				
*4339 COY OIL CO	GRAY		AUX VASES	20-4S-14W		814		105*		454*
*4368 COY OIL CO	B. R. GRAY		BETHEL	20-4S-14W		150		*		*
			CYPRESS	17-4S-14W		1958		288*		893*
			BETHEL							
*4286 ALVA C. DAVIS	CALVIN GRIFFITH C		AUX VASES							
*4326 ALVA C. DAVIS	CALVIN GRIFFITH C		BETHEL	8-4S-14W		295		31		216
3949 J. O. DEPUTY	RABER U		AUX VASES	8-4S-14W		452		103		476
*3994 B. R. DUNCAN	DUNKEL		BIHEL	19-2S-13W/ 24-2S-14W	*	1300**	1,2*	85*	*	900**
4280 FEAR AND DUNCAN	FORD UNIT		CYPRESS	11-1S-13W		115		12		36
			OEGONIA	7,8-5S-14W	175*	1843*	15,2**	855**	203**	1941**
			WALTERSBURG	8-5S-14W	28*	391*				
			SETHEL	7,8-5S-14W		27				
			AUX VASES	7,8-5S-14W		2619				
*3929 G R COMPANY	SHULTZ		CYPRESS	7-3S-13W		2693*		175**		1982**
*3930 G R COMPANY	SHULTZ		CYPRESS	7-3S-13W		816*		*		*
3978 V. R. GALLAGHER	DUNN		CYPRESS	11-3S-14W	40*	43*	9,9*	16*	15*	18*
*4330 V. R. GALLAGHER	GREATHOUSE-WALT, UNIT		WALTERSBURG	32-4S-14W		102		122*		40
*3907 T. W. GEORGE EST.	EAST MAUD		BETHEL	32,33-1S-13W		93		55*		
*3947 T. W. GEORGE EST.	EAST MAUD		CYPRESS	32,33-1S-13W		31		55		
3976 T. W. GEORGE EST.	E MAUD		WALTERSBURG	22,27-1S-13W	5*	688*	0,8*	184*	5*	133*
			BETHEL			352		16		32
3974 GETTY OIL CO	KEENSBURG U		BIHEL	16,17,20-2S-13W	2212	19521	76,8	1607	1257	9173
			CLORE							
			CYPRESS							
4433 GETTY OIL CO	E.S.DENNIS"A"		BETHEL							
			MCCLOSKEY	33-4S-14W	434	1449	13,8	43	107	250
4290 LYLE GILLIATT	H E GLAZE COOP		ST LOUIS							
			TAR SPRINGS	8,17-4S-14W		443	3,4**	634**	40**	2726**
			CYPRESS			366				
			BETHEL		*	2352*				
4242 M AND H OIL CO	O. R. EVANS		AUX VASES			1207*				
			BIHEL	4,5-4S-14W	125*	9334*	8,2*	752*	125*	4001*
			CYPRESS							
			BETHEL							
			AUX VASES							
4354 M AND H OIL CO	WABASH RIVERBEO U		MCCLOSKEY							
			BIHEL	33-3S-14W	120**	2933**	7,5**	214**	180**	1971**
			CYPRESS							
			AUX VASES							



Field, County  Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
MT CARMEL, WABASH CONTINUED													
3897	1704	11.0	18.9	221	34.8	06-71		1	1	20	RIVER GRAV (F)		*INCL BOTH PAYS
						06-63		4	5	100			
*3917	1500	6.7	15.3	310	36.6	06-52	01-58	2	3	70	SH SD, GRAV (F)		*DATA FOR 1954 EST
*3873	1350	10.0			35.0	07-64	10-68	2	1	30	GRAV, PROD (M)		*INCL BOTH PAYS
	1900	12.0						4	5	111			
*3875	1710	12.0			32.4	04-64	05-69	1	2	40	SH SD, PROD (M)		*INCL BOTH PAYS
	2010	11.0	17.0	29		04-64		2	1	73			
3876	1490	14.0			35.0	03-64		1	4	110	SH SD, PROD (M)		
	1690	8.5	18.9	79				1	1	30			
	2000	7.8	17.0	82				1	4	180			
*3879	1490	14.0			35.0	03-64	04-68	1	1	50	SH SD, PROD (M)		*INCL WITH 3880
*3880	1990	12.0			35.0	03-64	04-68	1	1	50	SH SD, PROD (M)		*INCL 3879
*3925	1710	12.0	18.9	221	32.4	03-64	08-67	3	1	116	SH SD, PROD (M)		
	2010	11.0	17.0	29	32.4			3	1	73			
NEW HARMONY C, EDWARDS, WABASH, WHITE													
4283	2350	9.0				01-59		1	2	30	GRAVEL BED (F)		*ESTIMATED
	2550	6.0						5	5	100			
	2800	6.0						3	5	80			
	2900	14.0						6	6	120			
4313	2560	17.0			37.0	11-60		4	2	80	GRAV, PROD (M)		*ESTIMATED
	2700	20.0						4	2	80			
	2820	18.0						4	3	80			
4335	2670	25.0			38.3	11-61		1	2	80	SH SD, PROD (M)		*INCL 4333, 4334) +EST
4398	2552	20.0			37.0	12-63		2	2	40	SH SD, PROD (M)		*ESTIMATED
	2662	20.0						2	2	40			
*3926	2650	6.5	16.0	60	37.5	04-56	11-71	4	4	130	GRAV, PROD (M)		
*3927	2650	7.0	7.0	16	38.4	05-57	12-66	1	2	20	GRAV, PROD (M)		
3857	1900	10.0				06-66		1	2	40	PRODUCED (B)		*ESTIMATED
	2100	22.0						2	2	40			
	2400	16.0						1	1	20			
3888	2570	12.0	18.9	87	39.0	12-69		3	7	65	WATER WELL (F)		*ESTIMATED
4293	2600	9.0			36.0	03-53		1	4	50	PRODUCED (B)		
	2700	9.0	13.0			03-53		1	2	20			
	2885	10.0	13.0	30		03-53		1	1	30			
3851	2000	20.0				12-60		3	13	130	PRODUCED (B)		*ESTIMATED
4274	2585	13.0	18.2	46	34.3	08-58		4	4	80	SH SD, PROD (R)		*ESTIMATED
	2705	17.0	16.0	20	36.1			5	6	110			
	2820	15.0	17.0	31	36.2			6	6	110			
4316	2550	15.0	17.5		38.9	08-61		2	2	40	SH SD (F)		
	2700	12.0	16.8					1	2	30			
	2850	18.0	19.0					4	4	80			
4426	2608	22.0			36.0	03-66		1	7	80	PRODUCED WATER (B)		*ESTIMATED
3987	2470	10.0				09-70		1	2	40	PURCHASED (F)		*ESTIMATED
	2635	11.0						1	2	40			
	2742	9.0						1	3	50			
	2858	4.0						1	2	40			
*4219	2695	12.0			37.5	03-53	04-60	1	3	40	GRAVEL BED (F)		
3491	2320	12.0			34.4	10-63		1	4	160	SH SD, PROD (M)		*ESTIMATED
*3980	2290	10.0			36.0	02-61	10-66	6	6	120	RIVER GRAV, PROD (M)		
*3982	2300	13.0	16.1	90	36.8	02-61	01-72	9	8	170	SH SD (F)		*NO INJ 12/67-4/69; 1971 NO DATA
4303	2844	7.0				04-60		1	1	30	GRAVEL BED (F)		*ESTIMATED SINCE 1968; +SWO ONLY
4312	2888	4.0	16.2	25	36.4	03-60		1	1	140	GRAVEL BED (F)		*INJ TEMP SUSPENDED 4-65
3963	1800	12.0	21.0	200	33.0	10-59		6	4	130	GRAV, PROD (M)		*ESTIMATED; +INCL ALL PAYS
	2700	13.0	16.2	40				12	12	310			*INCL RETMEL
	2800	8.0				10-59	12-64	3	3	60			
*4338	2850	20.0	17.0	50		03-60	12-63	6	5	120	SH SD, GRAV (F)		*INCL 4339
*4339	2720	5.0	15.0			03-60	12-63	2	2	50	SH SD, GRAV (F)		*INCL WITH 4338
*4368	2575	10.0	16.2	118	39.0	01-63	08-68	4	4	80	GRAV, PROD (M)		*INCL FORMER PROJ 4366, 4367
	2790	9.0	14.3	50				2	2	40			
	2900	16.0	18.0	125				4	4	80			
*4286	2680	10.0			33.0	09-59	09-70	2	1	40	GRAV, PROD (M)		*INJ TEMP DISC 12-64
*4326	2855	20.0			36.0	06-60	08-70	1	1	35	GRAV, PROD (M)		
3949	1740	15.0	20.6	39	37.0	10-56		1	4	50	SH SD (F)		*NO DATA SINCE 1958 +EST
*3994	2100	15.0			36.4	11-62	12-65	1	1	20	SH SD, PROD (M)		
4280	1930	6.0	16.0	50	36.0	11-65		5	9	100	GRAV, PROD (M)		*INCL ALL PAYS; +EST
	2244	8.0	18.0	47	36.0	08-66		2	3	40			
	2746	5.0	15.0	32	36.0	11-65		1	1	20			
	2872	12.7	18.1	43	37.8	02-59		4	6	120			
*3929	2600	20.0	18.0	50	38.0	07-51	12-62	2	5	70	GRAV, PROD (M)		*NO DATA AFTER 1959 +INCL 3930
*3930	2500	10.0	17.0	100	38.0	05-52	12-62	1	2	30	SH SD, PROD (M)		*NO DATA AFTER 1959 +WITH 3929
3878	2490	25.0				02-75		1	6	70	RIVER GRAV (F)		*ESTIMATED
*4330	2215	12.0	19.0	140		01-55	09-63	1	1	50	SH SD, PROD (M)		*INCL PRIM PROD 1-55 TO 9-63
*3907	2500	15.0	17.0	57	36.1	07-52	12-56	2	7	90	SURFACE (F)		*INCL PRIM PROD 7-52 TO 12-56
*3947	2400	12.0				01-55	12-57	1	3	40	SURFACE (F)		
3976	1950	5.0	17.8		37.0	12-64		1	6	90	RIVER GRAV, PROD (M)		*ESTIMATED 1976
	2410	10.0	17.0		39.0			3	7	120			
3874	1700	11.0	12.0	82	35.0	01-68		62	36	210	SH GRAV, PROD (M)		
	1775	8.0	12.0	56				11	11	230			
	2420	26.0	15.0	72				16	34	680			
	2550	10.0	12.0	15				28	20	500			
4433	2910	12.0	12.0			05-74		1	2	80	PENN SD,,PROD(B)		
	3080	26.0	18.0					1	2	80			
4290	2215	9.0			36.4	12-59	01-68	3	3	60	SH SD, PROD (M)		*NO INJ 1972-76; +INCL ALL PAYS;
	2570	11.0				01-68		6	6	120			*EST 1970-76
	2670	25.0						8	9	170			
	2825	12.0						8	9	170			
4242	1500	17.7	14.7	26		10-57		10	4	110	GRAV, PROD (M)		*ESTIMATED 1976
	1800	21.0				12-61		5	6	120			
	2660	23.0				12-61		6	5	120			
	2300	19.4				10-49		8	5	170			
	2400	21.2				10-49		4	2	120			
4354	1825	28.0	12.5	20		09-60		8	2	47	SH SD, PROD (M)		*ILL VALUES ARE 21 PER CENT OF
	2530	35.0	19.0	100				1	2	47			TOTAL, REMAINDER IN POSEY CO
	2780	29.0	19.2	50				1	2	47			INDIAN; +ESTIMATED 1976

TABLE 11. Waterflood operations

Field, County	General information					Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
NEW HARMONY C, EDWARDS, WABASH, WHITE CONTINUED											
	*3955	INO. FARM BUR.	LANOIS-GOINS	CYPRESS	3-2S-13W		62		11		108
	3856	J&H OIL CO	SCHAUF	CYPRESS	30-2S-13W	*	*	10.6*	92*	*	*
	3933	JUNIPER PETROLEUM C	E MAUD	CYPRESS	32,33-1S-13W	191*	7469*	8.3*	782*	113*	3763*
				BETHEL	4,5-2S-13W						
	*3934	JUNIPER PETROLEUM C	W MAUD	BETHEL	5,7,8-2S-13W		2240*		497		393
	*3956	JUNIPER PETROLEUM C	COWLING-RABER	BETHEL	17-2S-13W	*	109*	0.7	19		26
	3959	W. J. KING	KEENSBURG U	CYPRESS	9-2S-13W	205	10042*	3.8	848*	205	5898*
	3886	HERMAN LOEB	N MAUD U	CYPRESS	13,24-1S-14W	250*	2193*	11.5*	288*	250*	1976*
				OHARA							
	3961	HERMAN LOEB	A E SCHULTZ 'A'	CYPRESS	8,17-2S-13W	20*	2077*	2.0**	462**	70**	2012**
				BETHEL		30*	2512*				
	4218	HERMAN LOEB	FORD	AUX VASES	20,21,22-4S-14W	*	239*	*	465*		
	4294	HERMAN LOEB	GRAY 'C', 'H'	TAR SPRINGS	17,20,21-4S-14W	10*	6595*	0.6*	879**	10*	4403*
				CYPRESS							
				BETHEL							
				AUX VASES							
	3366	LOEB & MITCHELL	COWLING U	BIEHL	19,20,29,30-2S-13W	135**	17840**	6.9**	2272**	135**	10098**
				CYPRESS							
	3988	LOEB & MITCHELL	WALTERS	TAR SPR	23-1S-13W	200*	1345*	11.8*	127*	200*	1300*
	3965	LUBOIL COMPANY	HELM C	BIEHL	22-3S-14W	12*	646*	39.5**	4516**	125**	220**
				WALTERSBURG			330*				
				TAR SPRINGS		24*	118**				
				CYPRESS		70*	513*				
				BETHEL		66*	8600*				
				AUX VASES		45*	704**				
	4305	M AND M OIL CO.	FORD 'A'	WALTERSBURG	16,21-4S-14W	65**	5901**	3.5**	436**	65**	287**
				TAR SPRINGS							
				CYPRESS							
				BETHEL							
				AUX VASES							
	4329	M AND M OIL CO.	M.S. DONALO	BETHEL	21-4S-14W	70	1197*	8.3	308*	135	427*
				AUX VASES		65	1536*				
	4416	W. C. MCBRIDE	INDIANA STATE-EVANS	CYPRESS	4-4S-14W	7	205	3.9	55	12	403
	4226	ELMER M NOVAK	CALVIN	CYPRESS	5,8-4S-14W	70*	2534*	9.8**	2935**	170**	5069**
				BETHEL		30*	2982*				
				AUX VASES		70*	11576*				
	3361	D H AND F OIL CO	KEENSBURG U	BIEHL	19-2S-13W	55*	560*	3.0*	159*	55*	560*
	4227	PAM-ARK	BOWMAN'S BENO UNIT	TAR SPRINGS	15,16,21,22-5S-14W	110*	10262*	4.5*	2477*	110*	6658*
	4276	PAM-ARK	O. SMITH 1,4,11	CYPRESS	4-4S-14W	60*	1142*	2.8*	111*	60*	552*
				BETHEL							
				AUX VASES							
	*4275	POOL OIL CO.	CALVIN CONSLO	TAR SPRINGS	9,16-4S-14W		10796		1720		7283
				CYPRESS							
				BETHEL							
				AUX VASES							
	3974	PRUDENTIAL OIL	FRIENDS GROVE U	BIEHL	3-1S-13W/34-1N-13W	60*	2926*	2.8*	212*	60*	1888*
				JORDAN							
				CYPRESS							
	3955	PRUDENTIAL OIL	FOST-LEY UNIT	BIEHL	3-1S-13W	20*	2155*	0.7*	220*	20*	1054*
				CYPRESS			473*		131*		233*
	*3967	HK PET. CORP.	COWLING U	CYPRESS	23,25,26,35,36-2S-14W		2867		467		605
	4317	REBSTOCK OIL CO.	CROSSVILLE LEASE	CYPRESS	20-4S-14W	20*	2756*	1.3*	57*	20*	1257*
				BETHEL							
				AUX VASES							
	4393	REBSTOCK OIL CO.	DALY 'A'	CYPRESS	17-4S-14W	300*	2000*	14.2*	170*	200*	1513*
				BETHEL							
				AUX VASES							
	4401	REBSTOCK OIL CO.	NATIONAL BANK WF U	TAR SPRINGS	19,20,29-4S-14W	10*	662*	0.7*	179*	10*	295*
	4440	REBSTOCK OIL CO.	LOMAS	WALTERSBURG	14-4S-14W	+	+	10.6*	88*	+	+
				TAR SPRINGS							
	1009	M V RING	J SCHROEDER	BETHEL	22,27-2S-14W	85*	1194*	4.4*	73**	85*	742*
	3870	HUBERT ROSE	MAUD NW UNIT	WALTERSBURG	27,34-1S-13W	30*	1917*	1.7*	208*	30*	949*
	3893	HUBERT ROSE	MAUD U	WALTERSBURG	34,35-1S-13W	5*	1619*	1.0*	381*	5*	975*
				CYPRESS							
	3995	HUBERT ROSE	J.W. REISINGER	CYPRESS	4-2S-13W	5*	281*	0.4*	107*	5*	281*
	3962	HOSSI OIL CO.	4 W	CYPRESS	26-1S-13W	55	961	10.7	230	55	961
	*3892	ROYALCO, INC.	SCHROOT STATION MID U	CYPRESS	34,35-1S-13W		560		123		214*
	*4300	ROYALCO, INC.	REEVES UNIT C	CYPRESS	28-3S-14W		2656		161		976
				AUX VASES							
				MCCLOSKEY							
	4392	ROYALCO, INC.	CALVIN WATERFLOOD C	AUX VASES	22-4S-14W	30*	763*	5.6*	180*	15*	91*
	3895	J. W. RUOY ORLG.	EPLER FLOOD	WALTERSBURG	6-2S-13W	10*	135*	0.6*	294*	10*	937*
	3931	SCHROEDER & SNOYER	SIEGERT BOTTOMS	BETHEL	2,3,10-3S-14W	20*	4827*	2.0*	824*	20*	2102*
					34,35-2S-14W						
	*3928	SHAKESPEARE OIL	BRINES U	BETHEL	17,20,21,28,29-1S-13W		8754		1457		5255
	4216	JOE SIMPKINS OIL	HON-BUMP-CRAWFORD	CYPRESS	32,33-3S-14W,5-4S-14W	40*	3336*	6.2**	769**	100**	4864**
				BETHEL		20*	462*				
				AUX VASES		40*	3380*				
	*4217	JOE SIMPKINS OIL	ARROW-MC BRIDE ETAL	MCCLOSKEY	5-3S-14W,32,33-4S-14W		762		1		
	4320	JOE SIMPKINS OIL	BOULTINGHOUSE	TAR SPRINGS	9,16,17-4S-14W	10*	12037*	0.2*	772*	10*	9097*
				CYPRESS							
				SAMPLE							
				BETHEL							
				AUX VASES							
	*1016	SKILES OIL CORP.	SIEGERT BOTTOMS	CYPRESS	34-2S-14W		62				
	*3957	SKILES OIL CORP.	BROSTER 'P'	CYPRESS	35-2S-14W		136		36	1	42
	*4222	SKILES OIL CORP.	SMITH-DAVENPORT	CYPRESS	15-4S-14W		147		4		2
	*4237	SKILES OIL CORP.	CALVIN-GRIFFIN	CYPRESS	8-4S-14W		1				27
	*4288	SKILES OIL CORP.	CALVIN GRIFFIN	AUX VASES	8-4S-14W		109		4		23
	3935	SOHIO PETROLEUM	O G UPOEGRAFF 'A'	CYPRESS	14-3S-14W	643	8339	11.9	1727	641	14936
				BETHEL			198				
				MCCLOSKEY			393		17		42
	*3997	SOHIO PETROLEUM	O.G. UPOEGRAFF 'A'	AUX VASES	14-3S-14W	*	429*	3.9	104	2	137
	3877	SO. TRIANGLE CO.	SOUTH FORDICE U	BETHEL	6,7,8-1S-13W	125*	387*	20.2*	55*	125*	337*
	3960	SPARTAN O AND G	BELMONT NORTH UNIT	SALEM	18-1S-13W	36	40	17.1	19	11*	15*
	3885	STONE OIL CO	AKIN FLOOD	CYPRESS	7-3S-13W	27	1003	4.6	64	30	330
				BETHEL							

in Illinois, 1976 - continued

Field, County  Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
NEW HARMONY C, EDWARDS, WABASH, WHITE CONTINUED													
*3955	2340	7.0			36.0	03-57	01-60	1	2	20	PRODUCED (B)		
3056	2450	20.0				01-70		3	3	30			*AOJ TO EXISTING WF *EST
3933	2400	8.0	18.5	75	37.0	04-52		3	8	80	GRAV, PROD (M)		*INCL BOTH PAYS
	2520	8.5	17.0	57				5	11	170			
*3934	2620	12.0	17.2	57	36.0	10-50	01-74	20	26	60	GRAV, PROD (M)		*INJ SMUT DOWN 4-T2
*3956	2549	15.0			37.0	05-57	12-T5	1	1	20	GRAV, PROD (M)		*INJ SMUT OFF 5-11-69
3959	2420	22.0	20.0	200		11-58		7	5	270	GRAV, PROD (M)		*ESTIMATED
3886	2500	11.0	16.5	115	37.0	06-64		2	6	100	PRODUCED (B)		*ESTIMATED
	2850	9.0						1	4	80			
3961	2424	12.0	19.3	268	38.0	03-59		6	8	100	SH 80, PROD (M)		*EST SINCE 1972; *INCL BOTH PAYS
	2540	20.0						5	7	100			
4218	2840	18.3	15.0	20	33.1	01-56		1	2	200	SH 30 (F)		*EST; NO DATA SINCE 1968
4244	2220	10.0				05-60		3	2	50	GRAVEL 8EO (F)		*ESTIMATED + OPERATOR
	2580	11.0						7	5	120			REPORTS LITTLE OIL FROM CYPRESS
	700	9.0						4	3	70			AND BETHEL
	2840	18.0						9	9	180			
3866	1700	8.7	19.6	126	37.0	01-65		17	31	526	SH 30, PROD (M)		*INCL BOTH PAYS *EST
	2460	11.1	19.2	59	37.0			18	31	801			
3988	1945	12.0				08-68		1	5	60	PRODUCED (B)		*ESTIMATED
3965	1800	15.0				06-59		2	1	40	GRAVEL 8EO (F)		*INCL ALL PAYS; *ESTIMATED 1976
	2115	25.0	20.1	171		12-50	09-64	5	3	80			
	2150	20.0	17.1	44		04-61		3	2	80			
	2535	9.0				11-52		10	9	240			
	2640	14.0	17.1	44		12-51		17	8	255			
	2640	14.0	17.1	44		12-51		17	9	260			
4305	2140	8.4	19.0		37.5	11-60		2	1	40	GRAVEL 8EO (F)		*EST *INCL ALL PAYS
	2200	9.3	15.5					1	2	40			
	2580	13.3	16.0	32				4	2	80			
	2700	14.7	16.0					1	2	30			
	2820	15.5	15.0	20				5	5	100			
4329	2695	9.0	15.0	15	37.0	09-61		2	4	60	GRAV, PROD (M)		*ESTIMATED
	2830	20.0	14.0	23	37.0			2	3	105			
4416	2698	30.0	18.0	150		07-67		1	1	20	PENN 30, PROD (B)		
4226	2550	10.0				06-57		6	9	180	RIVER GRAVEL (F)		*ESTIMATED; *INCL ALL PAYS
	2660	10.0				11-52		3	4	80			
	2800	15.0				11-52		8	8	160			
3861	1718	12.0			35.9	01-68		1	3	40	PRODUCED (B)		*ESTIMATED
4227	2260	19.5	17.9	120	37.5	12-53		4	6	200	GRAV, PROD (M)		*ESTIMATED
4276	2550	14.0				06-59		3	4	80	SH 30, GRAV (F)		*ESTIMATED
	2680	16.0						1	3	50			
	2807	24.0						1	2	40			
*4275	2210	10.0	7.0	50		09-58	03-T4	2	2	50	SH 30, PROD (M)		
	2575	6.5						4	4	80			
	2700	11.0						10	12	230			
	2810	18.0						10	11	210			
3974	1716	18.0				03-61		6	4	120	GRAV, PROD (M)		*ESTIMATED
	1761	16.0	18.0	61				1	1	20			
	2269	13.0						6	4	120			
3985	1710	8.0	15.0	75	32.0	03-61		3	2	70	SH 80, PROD (M)		*ESTIMATED
	2310	14.0	16.0	50		12-64		3	2	60			
*3967	2550	22.0	15.0	36	38.4	08-60	07-70	7	4	160	SH 30, PROD (M)		
4317	2578	19.0			36.0	04-61		1	1	20	SH 30, PROD (M)		*ESTIMATED
	2672	19.0						1	1	20			
	2845	18.0						2	2	40			
4393	2580	10.0			36.0	07-63		1	1	20	SH 30, PROD (M)		*ESTIMATED
	2680	13.0						1	2	40			
	2830	10.0						1	2	40			
4401	2330	8.0				04-64		3	5	90	SH 80 (F)		*ESTIMATED
4440	2125	20.0				01-68		4	4	40			*EST; *ACCIDENTAL OR OUMP FLOOD
	2200	12.0						2	2	20			
1009	2730	20.0				02-69		2	9	130	PENN 80 (M)		*ESTIMATED *INCL PRIM SINCE 2-69
3870	1937	16.0	16.0	200		02-65		5	2	200	SH 30, PROD (M)		*ESTIMATED
3893	1937	8.0	16.0	320		11-63		3	3	70	GRAV, PROD (M)		*ESTIMATED
	2248	8.0	18.8	83				4	4	80			
3995	2413	9.0				06-62		1	1	10	PRODUCED (B)		*ESTIMATED
3962	2303	14.0			35.0	10-59		5	5	50	PRODUCED (B)		
*3892	2320	12.0			33.9	10-63	05-70	5	6	180	SH 80, PROD (M)		*EST 1965-67 DATA ONLY
*4300	2598	18.0			35.6	01-61	01-72	5	4	150	SH 30, PROD (M)		
	2800	13.0				01-61	01-69	1	2	20			
	2910	10.0				01-61	01-69	1	2	60			
4392	2830	20.0	11.7	7	36.5	03-63		2	2	100	SH WELL (F)		*ESTIMATED 1976
3895	2075	16.0	20.0	140	36.8	04-63		2	2	60	PENN 30, PROD (B)		*ESTIMATED 1976
3931	2680	18.0	17.0	75	36.0	10-51		10	10	300	GRAV, PROD (M)		*ESTIMATED 1976
*3928	2600	17.0	16.0	35	35.0	08-56	02-69	35	32	524	SH 80, PROD (M)		
4216	2600	9.0	15.0	8	35.0	09-56		12	8	240	GRAVEL 8EO (F)		*ESTIMATED; *INCL ALL PAYS
	2650	11.0						3	2	60			
	2800	14.3						9	11	200			
*4217	2900	9.4			34.5	09-56	12-59	4	7	120	GRAVEL 8EO (F)		
4320	2200	15.0			36.0	11-59		3	2	50	GRAVEL 8EO (F)		*ESTIMATED
	2580	11.5	17.0	30				13	13	280			
	2690	10.0	11.0	13				3	3	60			
	2710	15.0	11.0					3	2	60			
	2830	18.0	20.0					15	15	320			
*1016	2566	12.0				08-58	02-62	1	2	30	GRAV, PROD (M)		
*3957	2531	13.0	17.0	20	39.5	10-56	04-66	2	1	20	GRAV, PROD (M)		
*4222	2630	10.0	17.7	145		05-55	10-57	1	2	30	TAR SPR, PROD (B)		
*4287	2552	10.0				09-59	12-62	1	2	30	GRAV, PROD (M)		
*4288	2800	20.0				09-59	12-64	2	2	40	GRAV, PROD (M)		
3935	2500	25.0	21.0	200	39.0	10-55		2	4	120	PRODUCED (B)		
	2640	7.0	17.7			06-66		2	2	60			
	2860	4.0				06-64		1	2	60			
*3997	2770	10.0	19.0			06-62	12-76	7	2	100	PRODUCED (B)		*INJ. SUBP, 1972
3877	2555	14.0				02-74		7	12	220	PRODUCED (B)		*ESTIMATED
3960	3450	15.0	10.0		39.0	12-75		1	6	140	TAR SPR AND PROD. (B)		*ESTIMATED
3885	2480	14.0				08-70		3	5	80	PRODUCED, FRESH (M)		
	2640	18.0						2	1	40			



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
NEW HARMONY C, EDWARDS, WABASH, WHITE CONTINUED											
	3885	STONE OIL CO		AUX VASES							
				MCCLOSKEY							
*4223	SUN OIL CO.	GREATHOUSE		MCCLOSKEY	33-4S-14W, 4-5S-14W		1088		129		227
*4269	SUN OIL CO.	FORD 'A' WATERFLOOD		MCCLOSKEY	18-5S-14W		58		13		1
*4235	SUPERIOR OIL CO.	KERN-MON UNIT		TAR SPRINGS	32,33-4S-14W		1986		536		891
*4236	SUPERIOR OIL CO.	NEW HARMONY FIELD U		AUX VASES	21,27,28,29,32,33,34-4S-14W,3,4,5-5S-14W		16673		*		*
*4237	SUPERIOR OIL CO.	NEW HARMONY FIELD U		BETHEL	26,27,28,29,32,33,34-4S-14W,3,4,5-5S-14W		32327		*		*
4238	SUPERIOR OIL CO.	WALTERSBURG SAND UNIT		WALTERSBURG	4,5,9-5S-14W	450*	19280*		1620*		2658*
4302	SUPERIOR OIL CO.	N,M,R. UNIT		TAR SPRINGS	9-5S-14W	5	303	3,4	47		22
4311	SUPERIOR OIL CO.	NORTHEAST UNIT		TAR SPRINGS	14,22,23,26,27,34-4S-14W	662	8702	230,1*	2315*	1228*	8980*
				CYPRESS			267				
				BETHEL			45				
				AUX VASES			1607				
				MCCLOSKEY			836				
4390	SUPERIOR OIL CO.	NEW HARMONY FIELD U		JAMESTOWN	27,28,29,32,33,34-4S-14W,3,4,5-5S-14W	136	664	361,1*	1506*	4700*	51267*
4391	SUPERIOR OIL CO.	NEW HARMONY FIELD U		CYPRESS		3679	45303				
				WALTERSBURG	27,28,29,32,33,34-4S-14W,3,4,5-5S-14W	724	7860		*		*
				TAR SPRINGS	14W,3,4,5-5S-14W	386	3272		*		*
3948	A. K. SWANN	HEIL		CYPRESS	7,18-3S-13W	113	2923	10,7	692	55	1172
*4333	TEXACO, INC.	BRAMLETT		TAR SPRINGS	17-4S-14W		163		*		*
*4334	TEXACO, INC.	BRAMLETT		CYPRESS	17-4S-14W		443		*		*
*4371	TEXAS AMERICAN	FORD		AUX VASES	21-4S-14W		229		131		44
3910	UNIVERSAL OPRNG	PARNETER		CYPRESS	5-2S-13W	15*	254*	2,2*	25*	15*	254*
				BETHEL							
3986	UNIVERSAL OPRNG	BUMP		CYPRESS	5-2S-13W	150*	2070*	17,4*	278*	150*	2050*
				BETHEL							
4341	WEST DRILLING CO	O. EVANS		MCCLOSKEY	4-4S-14W	48*	1345*	2,1*	149*	48*	225*
*1028	GEORGE WICKHAM	SCHROEDER		WALTERSBURG	26,27-2S-14W		2*		3*		8*
				CYPRESS							
*3981	CHARLES P. WOOD	G A STURMAN		RIEHL	10-1S-13W		398		76		119
				CYPRESS							
NEW HAVEN C, WHITE											
*4247	ATLANTIC RICHFLO	NEW HAVEN U		TAR SPRINGS	17-7S-11E		1844		696		73
				CYPRESS							
*4351	FRMERS PETR COOP	WASEM		TAR SPRINGS	24-7S-10E		590*		22		155
*4388	FRMERS PETR COOP	DEAO RIVER UNIT		TAR SPRINGS	13,18-7S-10E		828		452		336
4289	JUNIPER PETROLEUM C	GREATHOUSE ISLAND U		TAR SPRINGS	7-7S-11E, 7-7S-14W	28*	519*	1,6*	48*	15*	145*
				CYPRESS							
4278	SUN OIL CO.	G.N. BOETTICHER		CYPRESS	19-7S-11E	47	179	15,8	147	44	187
NEW MEMPHIS, CLINTON											
417	ELMER DELZE	NEW MEMPHIS SEC.REC.		DEV-SIL	34,35-1N-5W,3,4-1S-5W	715*	6735*	41,8*	324*	715*	4415*
OAKDALE, JEFFERSON											
*2029	FAIRWAY PETROLEUM	HORRELL-NOVAK		AUX VASES	11,14,15-2S-4E		1295*		85*		1295*
*2014	TEXACO, INC.	GREEN-VANDERHEID		AUX VASES	12-2S-4E		554		17		247
OAKDALE N, JEFFERSON											
2018	FRMERS PETR COOP	NORTH OAKDALE UNIT		MCCLOSKEY	3-2S-4E	76	1268	3,5	332	79	1126
OAK POINT, CLARK, JASPER											
* 223	M AND E ORLG. CO	B. FINNEY		AUX VASES	31-9N-14W		73		7		81
225	M AND E ORLG. CO	FINNEY-PING-WARD		AUX VASES	31-9N-14W	75*	3952*	3,9*	198*	75*	3631*
ODIN, MARION											
2600	ODAN OIL PROP.	ODIN UNIT		CYPRESS	1,12,13-2N-1E,6,7,18-2N-2E	46	8080*	0,8	1322*	50	50**
OLD RIPLEY, BONO											
6	SAM PARKER	RIPLEY U		PENN	21,28-5N-4W	10*	1218*	2,4*	94*	10*	395*
OLNEY C, JASPER, RICHLAND											
*3426	BELL BROTHERS	DUNDAS SOUTH UNIT		SPAR MTN	3,10-4N-10E		4020		226		3090
*3435	O T DRILLING	NORTH OLNEY U		SPAR MTN	28,32-4N-10E		330*		31*		81*
*3407	GULF OIL CO	EAST DUNDAS UNIT		MCCLOSKEY	25,26,35,36-5N-10E		953		152		207
*1903	ILL. LSE. OP.	BESSIE		MCCLOSKEY	23-5N-10E		251*		44*		225*
*3414	J. W. RUDY ORLG.	STIFF		MCCLOSKEY	34-5N-10E		159		33		54
*1904	SOHIO PETROLEUM	DUNDAS EAST UNIT		OMARA	14-5N-10E		2003		142		1378
*3408	TEXACO, INC.	EAST OLNEY		MCCLOSKEY	23,24,25,26-4N-10E		3834		269		1286
3420	TEXACO, INC.	OLNEY WATER FLOOD		MCCLOSKEY	27-4N-10E	114	4824	4,1	630	114	3777
*1914	TRI-STATE CASING	MILLER-EUNICE		MCCLOSKEY	23-5N-10E		1359		57		908
OLNEY S, RICHLAND											
*3422	M V RING	KURTZ-MARTZ		MCCLOSKEY	28-3N-10E		32				
OMAHA, GALLATIN											
1447	AMERICAN PUMP	OMAHA S PALESTINE U		PALESTINE	32-7S-SE	113	486	7,8	48	23	146
1448	AMERICAN PUMP	OMAHA B UNIT		HARDINSBURG	31,32-7S-8E,5,6-8S-8E	245	1965	14,0	89	80	383
				CYPRESS							
				OMARA							
1443	EXXON	OMAHA		SPAR MTN							
				PALESTINE	33-7S-8E,4-8S-8E	839	9278	70,5	641	648	5089
				TAR SPRINGS							
				AUX VASES							
1437	T. W. GEORGE EST.	OMAHA S UNIT		AUX VASES	34-7S-8E,3,4-8S-8E	154	3145	11,5	700	68	1079
*1414	HUMBLE O AND R	OMAHA		PALESTINE	33-7S-8E, 4-8S-8E		5763		3119		4436
1439	JUNIPER PETROLEUM C	CANE CREEK U		AUX VASES	4-8S-8E	86	1060	2,1	57	42	495
*1434	NAPCO	PHILLIPS FLOOD		SPAR MTN	32-7S-8E		40		7		2
OMAHA S, GALLATIN, SALINE											
*1432	DAVID ROTSTEIN	WOOLARD		CYPRESS	7-5S-8E		164				



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (° API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
								Inj.	Prod.			
NEW HARMONY C, EDWARDS, WABASH, WHITE CONTINUED												
3885	2750	22.0						1	3	40		
	2830	10.0						2	1	60		
*4223	2900	5.0			36.9	08-47	02-57	1	2	90	GRAVEL BED (F)	
*4269	2900	7.0			36.0	05-48	07-52	1	1	40	GRAVEL BED (F)	
*4235	2250	13.3	17.3	85	37.4	02-54	01-70	1	1	121	GRAVEL BED (F)	
*4236	2830	8.9	17.9	48	37.0	11-56	01-70	33	32	660	RIVER GRAV, PROD (M)	*INCL WITH 4390
*4237	2710	12.4	15.4	32	37.0	11-56	01-70	33	48	1000	RIVER GRAV, PROD (M)	*INCL WITH 4390
4238	2206	43.0	19.2	475	38.0	10-53		1*		333	GRAV, PROD (M)	*ILLINOIS PORTION OF PROJ
4302	2207	10.0	18.0	46	37.0	02-66		1	1	80	GRAVEL BED (F)	
4311	2193	8.0	16.0	40	36.0	02-66	05-70	2	13	160	GRAV, PROD (M)	*FROM CYPRESS, A.V., MCCLOSKEY
	2600	12.0	18.0	100				7	16	240		*INCL ALL PAYS
	2741	10.0	16.0	37				1*	5	70		
	2850	19.0	15.0	12	36.0	12-66		10	12	230		
	2886	7.0	14.0	295		10-66		2	7	100		
4390	707	9.0	20.1	159	33.0	07-70		3	3	60	RIVER GRAV, PROD (M)	*INCL 4236, 4237, 4391
	2550	10.0	17.0	37	37.0	08-64		106	109	3138		
4391	2120	10.0	18.0	47	37.0	08-64		15	30	400	RIVER, PROD (M)	*INCL WITH 4390
	2210	8.0	17.0	40	37.0	08-65		12	15	220		
3944	2450	15.0				11-55		6	11	140	GRAVEL BED (F)	
*4333	2296	16.0			38.3	11-61	01-68	2	4	80	SH SO, PROD (M)	*INCL WITH 4335
*4334	2670	25.0			38.3	11-61	12-68	2	3	80	SH SO, PROD (M)	*INCL WITH 4335
*4371	2830	25.0				02-63	12-67	1	2	30	GRAV, PROD (M)	
3910	2410	13.0			36.9	04-67		1	1	20	PRODUCED (B)	*ESTIMATED
	2530	7.0						1	1	20		
3986	2400	15.0				01-62		1	4	70	PRODUCED (B)	*ESTIMATED
	2540	10.0						1	4	60		
4341	3000	5.0				10-49		1	4	50	GRAVEL BED (F)	*ESTIMATED
*1028	3150	12.0				06-64	06-73	3	6	80	SH SO, PROD (M)	*ESTIMATED SINCE 1967
	2640	12.0						2	4	60		
*3981	1780	10.0	16.3	25	33.0	03-61	08-68	1	1	20	PURCH, PROD (B)	
	2235	12.0						2	1	30		
NEW HAVEN C, WHITE												
*4247	2090	7.0	17.5	50	39.0	07-54	05-68	2	4	175	SH SO (F)	
	2435	10.0						10	10	325		
*4351	2135	10.0	18.0	350	37.0	07-62	01-74	1	3	90	GRAVEL BED (F)	*OPERATION SUSPENDED 1970
*4388	2200	6.0	19.0	98	38.0	09-64	12-74	3	7	78	GRAVEL BED (F)	
4289	2148	24.0	18.0	48	37.0	01-66		3	2	60	RIVER GRAV (F)	*ILL. PORTION OF THE PROJ. IS 13.9% OF IND-ILL TOTAL
	2476	10.0	14.8	17				2	1	30		
4274	2435	12.0	15.0	45	36.0	08-59		1	4	40	SH SO (F)	
NEW MEMPHIS, CLINTON												
417	1960	99.0				06-68		3	23	580	SALEM, PROD (B)	*ESTIMATED
OAKDALE, JEFFERSON												
*2029	2900	20.0				01-64	01-74				PRODUCED (B)	*ESTIMATED PROD EST 40% PRIM, 1964
*2014	2870	15.0	20.2	120	36.5	08-61	12-64	3	2	100	PENN SO, PROD (B)	
OAKDALE N, JEFFERSON												
2018	2931	10.0				06-64		4	7	290	POND, PROD (M)	
OAK POINT, CLARK, JASPER												
*223	1180	20.0			36.6	10-58	12-60	2	6	80	PENN SO (B)	
225	1190	12.0	13.1	40	36.6	04-67		20	12	220	GRAVEL BED (F)	*ESTIMATED
ODIN, MARION												
2600	1700	15.0	20.0	78	38.0	10-49		14	22	230	TAR SPR, PROD (B)	*SUSP. 10-62 TO 12-75/1976 ONLY
OLD RIPLEY, MONROE												
6	600	20.0			36.0	09-57		10	11	110	SH SO, PROD (M)	*EST. SINCE 1962/ SHO ONLY
OLNEY C, JASPER, RICHLAND												
*3426	2991	4.7	15.4	281	40.0	09-63	01-73	10	7	740	PENN SO (B)	
*3435	2950	6.0				09-66	12-72	3	4	210	SH SO, CREEK (F)	*ESTIMATED SINCE 1967
*3407	2985	6.0	12.5		41.4	10-56	09-62	5	4	220	PENN SAND (B)	
*1903	2925	5.0	12.0			01-61	10-72	1	1	80	PRODUCED (B)	*INACTIVE 1970-1972
*3414	2935	7.0			40.0	04-66	01-72	2	2	90	CYPRESS, PROD (B)	
*1904	2900	8.0			35.0	04-55	05-61	4	7	120	CYPRESS (B)	
*3408	3100	5.3	13.8	522	37.0	03-51	04-71	6	16	458	PRODUCED (B)	
3420	3000	13.0	13.8	500	37.0	11-46		1	2	280	PRODUCED (B)	
*1914	2940	14.0	16.8	775	40.0	05-54	12-66	1	1	40	PRODUCED (B)	
OLNEY S, RICHLAND												
*3422	3150	6.0				06-61	01-62	1	4	50	CYPRESS (B)	
OMAHA, GALLATIN												
1447	1725	9.5	17.0	50	27.1	12-71		3	6	133	PRODUCED (B)	
1448	2175	12.0	14.0	10	35.0	03-71		3	2	60	SH SAND (F)	
	2375	5.0	15.0	50	36.0			1	1	20		
	2725	4.0	13.0	60	37.5			4	16	240		
	2780	4.0	13.0	20	37.5			1	2	50		
1443	1700	17.0	14.9	427	31.0	02-69		4	19	425	PRODUCED (B)	
	1950	20.0	16.4	20				3	3	100		
	2650	10.0	9.2	5				1	2	30		
1437	2710	12.0	12.0		41.5	10-65		6	9	253	PENN SO (B)	
*1414	1700	17.0	14.9	127	28.0	10-44	02-69	1	16	280	PRODUCED (B)	
1439	2678	30.0			37.6	11-65		2	7	100	SH SO, PROD (M)	
*1434	2760	20.0			37.0	05-65	11-66	1	3	40	CREEK, PROD (M)	
OMAHA S, GALLATIN, SALINE												
*1432	2541	19.0	12.9	24	27.0	10-60	12-63	1	1	20	TAR SPRINGS (B)	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
OMAHA W, SALINE 3623 ILL. MID-CONT.		OMAHA WEST	SAMPLE	36-TS-7E/11-88-7E/ 6-8S-8E	1983*	1703*	12.7*	136*	280*	1778*	
ORCHAROVILLE, WAYNE 4093 OUNCAN LSE+ROY		ORCHAROVILLE	AUX VASES	29-1N-5E	24	371	5.1	106			
ORIENT, FRANKLIN 1335 V. R. GALLAGHER		ORIENT	AUX VASES	9-7S-2E	55*	378*	7.9*	191*	20*	116*	
OSKALOOSA, CLAY 342 IVAN R. JONES		OSKALOOSA UNIT	AUX VASES MCCLOSKEY	26,27,34,35-4N-5E	45*	2065*	2.6*	133*	45*	707*	
* 307 TEXACO, INC.		OSKALOOSA UNIT	BENOIST	26,27,34,35-4N-5E		158		1219		3393	
PARKERSBURG C, EDWARDS, RICHLAND *3432 ACME CASING		RIOGLEY	MCCLOSKEY	30-2N-14W		82		7		44	
*3415 REVIS O. CALVERT		PARKERSBURG	MCCLOSKEY	16,21-2N-14W		107		26*		43	
*3424 CONTINENTAL OIL		KOERTGE 'B'	BETHEL	30-2N-14W		179		6		25	
*3409 MARATHON OIL CO.		PARKERSBURG U	MCCLOSKEY	9-3N-9E		5134*		159*		1859*	
*1017 V. T. ORLG. CO.		PARKERSBURG U	CYPRESS	6-1N-14W, 31-2N-14W		911*		145*		470*	
PASSPORT, CLAY 354 R & R OIL CO.		PASSPORT UNIT	MCCLOSKEY	2-4N-8E, 35-5N-8E	19**	1693**	1.0*	209*	19*	45*	
308 SHAKESPEARE OIL		STANLEY-HINTERSHER	MCCLOSKEY	12-4N-8E	17	665	3.3	68*	21	385	
327 SHAKESPEARE OIL		PASSPORT U	MCCLOSKEY	11,12,14-4N-8E	12	11541	2.2	583	11	7324	
PASSPORT 8, CLAY, RICHLAND *3417 CONTINENTAL OIL		PASSPORT SOUTH UNIT	CYPRESS	18-4N-9E		406		43		76	
PATOKA, MARION, CLINTON 2639 FEAR AND OUNCAN		NW PATOKA	BENOIST	19,20-4N-1E	200*	5040*	11.7*	253**	200*	5040*	
*2601 KARCHMER PIPE		PATOKA BENOIST	BENOIST	20,21,28,29-4N-1E		64093		6542		49402	
2602 KARCHMER PIPE		PATOKA ROSICLARE	SPAR MTN	21,28,29-4N-1E	100*	5967*	5.2*	1548*	100*	6162*	
*2603 KARCHMER PIPE		STEIN UNIT	CYPRESS	28-4N-1E		220		63		228	
2614 KEWANEE OIL CO.		W. PATOKA TRENTON U	TRENTON	1-3N-1W 6-3N-1E, 31,32-4N-1E	198	8944	7.4	570	198	8944	
PATOKA E, MARION 2638 HIGHLAND OIL CO		THALMAN	CYPRESS	35-4N-1E	*	*	14.5*	214*			
*2629 MOBIL OIL CORP.		F M PEDDICORO	CYPRESS	34-4N-1E		138		7		9	
2631 SMELL OIL CO.		EAST PATOKA UNIT	CYPRESS BENOIST	34-4N-1E	850	10263	24.9	549	581	7214	
PATOKA B, MARION 2640 E. M. BELF		OELAY & BOPP	CYPRESS	9-3N-1E	*	*	2.7*	102**		375*	
2627 JOE SIMPKINS OIL		PATOKA SOUTH	CYPRESS	4,5,8,9-3N-1E	260*	11770*	13.2*	940*	260*	6128*	
2619 TRI STAR PROD CO		BENOIST-SANOSTONE U	BENOIST	5-3N-1E	220*	1544*	28.9*	395*	220*	1478*	
PHILLIPSTOWN C, EDWARDS, WHITE 4395 ABSHER OIL CO		GARFIELD-PARBON	AUX VASES	7-4S-14W	125*	2143*	10.1*	301*	50*	1165*	
4323 N. A. BALORIOGE		MICHAELS-GREEN-STURM	CYPRESS	30-3S-14W	10*	325*	0.3*	13*	10*	256*	
			BETHEL								
4257 BARGER ENG		PHILLIPSTOWN U	AUX VASES	6-5S-11E	168	1820	4.3	174	102	1844	
4414 BARGER ENG		CLEVELAND	OEGONIA	TAR SPRINGS	36-4S-10E, 1-5S-10E,	274	2973	7.3	410	33	3640
4432 BARGER ENG		PHILLIPSTOWN	OEGONIA	TAR SPRINGS	31-4S-11E						
			PENN	31-4S-11E/36-4S-10E	718	1862	144.9*	333*	940	1721	
			TAR SPRINGS								
4249 C. E. BREHM		PHILLIPSTOWN UNIT	AUX VASES	19,30-4S-14W,	20	1049	1.9	190			
*4251 BRITISH-AMERICAN		N CALVIN UNIT	PENN	30-4S-11E		3686		1215		2777	
4349 R. G. CANTRELL		PHILLIPSTOWN U	PENN	31-3S-14W		2268*	8.1*	516*	147*	927*	
			OEGONIA	1-5S-10E, 6-5S-11E	147*						
*4344 COY OIL CO		GREEN	TAR SPRINGS	30-3S-11E		61		11		8	
*4319 OUNCAN LSE+ROY		HEYCALF	BETHEL	31-3S-14W	1	650	0.2	30			
4298 EASON OIL CO.		CLARK WATERFLOOD	CLARK	30-4S-11E	149	3914*	13.2**	610**	157**	1824**	
			OEGONIA								
			BETHEL			1102*					
4417 FAIRFIELD OIL CO		CECIL & GILLISON	AUX VASES	31-3S-14W	25*	103*	1.6*	57*	25*	38*	
1029 FEAR AND OUNCAN		JOHNSON COOP	BETHEL	18-3S-11E	124*	1443*	7.0*	82*	124*	511*	
4243 FISK & FISK		RAWLINSON 7	MCCLOSKEY	29-3S-14W	130*	839*	7.3*	109*	130*	763*	
			OEGONIA								
			CLORE								
			CYPRESS								
			BETHEL								
4245 FISK & FISK		RAWLINSON	AUX VASES	29-3S-14W	10*	193*	1.7*	22*	10*	93*	
4343 FISK & FISK		BEIFRIED WF	MCCLOSKEY	30-3S-11E	100*	1678*	7.6*	88*	100*	765*	
			CYPRESS								
*4373 V. R. GALLAGHER		CLEVELAND TAR SPRGS U	BETHEL	25-4S-10E		376		185*		146	
4387 V. R. GALLAGHER		KUYKENDALL	TAR SPRINGS	25-4S-10E	680*	3104*	23.6*	280*	140*	906*	
			CLARK-BROGPT								
			BUCHANAN								
4224 GETTY OIL CO		N PHILLIPSTOWN	OEGONIA	18,19-4S-11E	631	4717	46.7	414	310	2488	
			PENN								
*4370 GETTY OIL CO		OENNIS "B" DEEP	OEGONIA								
			CLORE								
			BETHEL	18-4S-11E		127		1		14	
			AUX VASES								
*4277 KIRBY PETROLEUM		W.P.B.S. UNIT	MCCLOSKEY	26,35-4S-10E		1791		160		949	
4284 W. C. MCBRIDE		ARNOLD	BETHEL	6-4S-14W	399	3133	59.0	894	359	1861	
			PENN								
			WALTERSBURG								
*4250 MOBIL OIL CORP.		GRAYVILLE U	AUX VASES	20,29-3S-14W		787		144		552	
			CYPRESS								

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
								Inj.	Prod.			
OMAHA W, SALINE 3623	2700	10.0				06-68		1	7	100	PRODUCED (B)	*ESTIMATED
ORCHARDVILLE, WAYNE 4093	2835	10.0				08-65		1	3	40	SH SD, PROD (M)	
ORIENT, FRANKLIN 1335	2670	15.0	18.9	75	38.9	10-66		1	3	40	TAR SPRINGS, PROD (B)	*ESTIMATED 1976
OSKALOOSA, CLAY 342	2641	10.0	13.0		37.0	12-63		3	3	100	PENN SD, PROD (B)	*ESTIMATED
	2742	11.0			37.0			4	4	100		
* 307	2600	14.2	15.6	54	37.0	01-53	10-68	9	4	396	PENN SD, PROD (B)	
PARKERSBURG C, EDWARDS, RICHLAND *3432	3190	8.0				04-65	02-69	1	3	80	PRODUCED (B)	
*3415	3060	10.0				01-55	01-56	2	7	160	PRODUCED (B)	*INCL PRIM PROD 1-55 TO 1-56
*3424	2960	15.0				09-59	07-64	1	1	20	PRODUCED (B)	
*3409	3130	8.0	18.0	800		03-55	12-64	5	5	200	CYPRESS, PROD (B)	*INCL 3416
*1017	2770	14.8	16.8	120	37.2	02-59	12-68	3	8	256	PENN SD, PROD (B)	*ESTIMATED 1965-68
PASSPORT, CLAY 354	3025	10.0	15.0	35	38.0	06-65		3	2	260	PENN SD, PROD (B)	*ESTIMATED; *SHO ONLY
308	3000	9.0			37.0	09-57		1	2	40	PRODUCED (B)	*INCL PRIM PROD SINCE 9-57
327	3000	10.0	16.9	911	38.2	07-58		4	5	305	CYPRESS, PROD (B)	
PASSPORT S, CLAY, RICHLAND *3417	2700	8.0	15.0	60		07-59	06-64	2	2	100	PENN SD, PROD (B)	
PATOKA, MARION, CLINTON 2639	1445	10.0				01-66		2	13	160	PRODUCED (B)	*EST +INCL PRIM PROD
*2601	1410	27.0	19.0	110	39.0	09-43	12-70	49	49	527	PRODUCED (B)	
2602	1550	9.0	18.8	223	40.0	07-48		21	12	445	PRODUCED (B)	*ESTIMATED
*2603	1280	10.0	21.0	32	39.0	08-51	12-70	6	2	61	PRODUCED (B)	
2614	3930	17.0	8.0	3	43.0	06-61		11	14	520	PENN SD, PROD (B)	
PATOKA E, MARION 2638	1340	15.0				06-65		1*	10	100		*ADJACENT TO ACTIVE W.F. *EST
*2629	1370	19.0	19.2	62	38.6	06-66	01-68	2	1	30	TAR SPR, PROD (B)	
2631	1350	18.0	20.0	139	36.0	06-65		7	14	150	TAR SPR, PROD (B)	
	1465	11.0	18.0	120				2	4	60		
PATOKA S, MARION 2640	1350	7.0				10-64		*	4	80		*ADJ, ACT, WF *EST *INC PRIM 64-77
2627	1360	15.1				08-64		29	29	580	TAR SPR, PROD (B)	*ESTIMATED
2619	1456	14.0			36.5	02-64		6	13	200	TAR SPR, PROD (B)	*ESTIMATED
PHILLIPSTOWN C, EDWARDS, WHITE 4395	2885	15.0			38.5	04-61		1	3	222	PENN SD, PROD (B)	*ESTIMATED
4373	2700	10.0				06-68		1	2	30	PENN SD (B)	*ESTIMATED
	2825	6.0						1	2	30		
	2920	10.0						1	3	40		
4257	1928	16.0			36.0	12-69		2	3	40	PRODUCED (B)	
	2300	7.0				02-56		2	5	80		
4414	1935	15.0				11-67		4	4	90	PRODUCED (B)	
	2385	7.0				05-65		2	4	380		
4432	1350	20.0	20.0	200	36.0	11-73		5	20	150	RIVER GRAVEL (F)	*ESTIMATED 1976
	2300	20.0	18.0	20								
	2850	10.0										
4249	1950	10.0	13.0	36	36.0	06-65		3	5	90	PENN SD, PROD (B)	
	2730	10.0						2	4	60		
*4251	1550	29.0	17.6	86	32.0	06-51	11-63	9	9	180	TAR SPR, PROD (B)	*ESTIMATED
4349	1970	10.0	18.3	35	37.7	09-62		6	10	200	RIVER, PROD (M)	
	2300	8.0	15.0	29	35.7			2	3	70		
*4344	2820	10.0	13.0	8	36.0	11-62	01-67	1	2	30	GRAV, PROD (M)	
*4319	1824	12.0			32.8	12-64	06-71	2	4	40	TAR SPR, PROD (B)	
4298	1350	15.0	22.2*	275		04-70		8	8	80	SH SD, PROD (M)	*CLARK, NEG *BETHEL, AUX VASES
	1950	40.0	16.5	21		01-66		8	8	80		**ALL PAYS
	2810	14.0				06-60	12-65	4	7	110		
	2920	10.0				09-60	12-65	4	7	100		
4417	1830	20.0			34.0	06-72		1	6	40	PRODUCED	*EST: ADJ TO ACTIVE WF SINCE 1964
1029	3116	5.0	12.0	100	37.0	05-64		2	1	35	PENN SD, PROD (B)	*ESTIMATED
4243	1997	3.0				01-66		1	1	80	PRODUCED (B)	*ESTIMATED
	2050	6.0						1	1	50		
	2700	14.0						1	5	60		
	2803	8.0						2	3	80		
	2910	11.0						1	3	50		
	3000	12.0						1	2	60		
4245	2700	10.0				07-67		1	3	30	PURCHASED (M)	*ESTIMATED
4343	1842	14.0	16.2	88	32.0	06-62		2	2	50	PENN SD, PROD (B)	*ESTIMATED
	2820	11.0	14.2	10				3	4	150		
*4373	2310	9.0	18.3	68	33.9	10-63	10-72	3	2	150	PENN SD, PROD (B)	*INCL PRIM PROD SINCE 10-63
4387	1300	15.0				01-71		1	1	20	PENN SD, PROD (B)	*ESTIMATED 1976
	1490	15.0				07-64		2	2	40		
	1970	16.0				01-67		1	2	40		
4224	1400	10.0				01-70		2	14	40	PENN SAND, PROD (B)	
	1990	16.0				12-67		7	14	191		
	2035	6.0				12-67		3	4	80		
*4370	2845	15.0			34.0	05-71	07-72	2	2	37	PENN SD, PROD (B)	
	2930	25.0						2	2	37		
	3040	23.0						2	2	37		
*4277	2840	11.0	15.5	150	38.0	06-56	12-63	9	12	270	PENN SD, PROD (B)	
4284	1500	25.0	16.5	168		11-67		2	3	70	PENN SAND, PROD (B)	
	2290	5.0						2	1	30		
	2900	10.0	18.0	100				2	3	70		
*4250	2850	27.4	18.4	64		08-54	07-69	2	4	60	PRODUCED (B)	



TABLE 11. Waterflood operations

Field, County		General information				Production and injection statistics (M bbl)					
Project no. * = ABD. + = P. M.		Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
PHILLIPSTOWN C, EDWARDS, WHITE											
CONTINUED											
*4252	MOBIL OIL CORP.	N CALVIN	RIEHL	30,31-38-11E		1156		426*		499	
*4369	E. H. MORRIS EST	MORRIS A, B	CYPRESS	19,30-38-11E		109*		5*			
4342	ELMER H NOVAK	N CALVIN 8IEHL U	RIEHL	31-35-14W	75*	803*	2,1*	44*	25*	671*	
4421	LOUIS PESSINA	PHILLIPSTOWN FLOOD	RIEHL	19,30-38-14W	360	2892	15,3	392	148	1739	
4215	PHILLIPS PET. CO	KERN U	TAR SPRINGS	35,36-48-10E, AUX VASES	14	1368	5,6	125	8	120	
				1,2-55-10E							
*4254	PHILLIPS PET. CO	LAURA	BETHEL	19-48-11E		197		16		51	
4255	PHILLIPS PET. CO	PHILLIPSTOWN UNIT	PENN	30-48-11E,31-48-14W	13	2087	16,9	387	2	518	
			BETHEL								
			AUX VASES								
*4232	SKILES OIL CORP.	L.O. CLEVELAND	TAR SPRINGS	36-48-10E		48					
4225	SUN OIL CO.	CARR-RENSMAW	CLORE	18-48-14W	*	*	28,4	214	49	227	
			AUX VASES								
			MCCLOSKEY								
*4256	SUN OIL CO.	PHILLIPSTOWN U	CLORE	6-58-11E		234		110		58	
*4270	SUN OIL CO.	PHILLIPSTOWN	TAR SPRINGS	6-58-11E		58				251	
*4315	TEXACO, INC.	PHILLIPSTOWN COOP	BETHEL	18-48-14W		909		17		139	
			AUX VASES								
			MCCLOSKEY								
*4253	WEST DRILLING CO	FLORA UNIT	DEGONIA	24-48-10E		1471*		129*		1009*	
4306	WEST DRILLING CO	LAURA JOHNSON	DEGONIA	19-48-11E	60*	246*	5,8*	63*	115*	560*	
			AUX VASES		30*	170*					
			OHARA		35*	175*					
PHILLIPSTOWN S, WHITE											
4357	KEBSTOCK OIL CO.	GIVEN-BROWN	TAR SPRINGS	11-58-10E	10*	590*	0,3*	144*	10*	179*	
RACCOON LAKE, MARION											
*2617	TEXACO, INC.	ROSLICLARE-MCCLOSKEY U	SPAR HTN	3-1N-1E		1844		187*		1909*	
			MCCLOSKEY								
2626	TEXACO, INC.	RACCOON LAKE UNIT	CYPRESS	3-1N-1E	157	3204	7,9	70	425	4348	
			RENOIST			509					
RALEIGH, SALINE											
*3615	WALTER DUNCAN	SPURLOCK	CYPRESS	2-8S-6E		167*		53*		82*	
3617	FARRAR OIL CO.	RALEIGH UNIT	CYPRESS	35-7S-6E, 2-8S-6E	85*	4906*	4,9*	943*	85*	590*	
*3605	KENAWEE OIL CO.	RALEIGH U	AUX VASES	10,15,16-8S-6E		1874		282		964	
RALEIGH S, SALINE											
3627	BUFAY OIL CO	HARRISBURG NORTH U	WALTERSBURG	27-8S-6E	56**	112**	2,4	4	20*	30*	
3618	HERMAN GRAHAM	S, RALEIGH U	AUX VASES	20-8S-6E	150*	2461*	9,9*	215*	170*	1729*	
*3604	ILL. MID-CONT.	RALEIGH UNIT	AUX VASES	20-8S-6E		1246*		64*		800*	
3616	RK PET. CORP.	LEITCH ETAL	AUX VASES	20,21,28,29-8S-6E	20	1244	1,6	113	20	228	
RAYMOND E, MONTGOMERY											
*2900	OARE PETROLEUM	FOSTER-POGGENPOML	PENN	15,22-10N-4W		38*		6*		15*	
RICHVIEW, WASHINGTON											
4016	NICK BABARE	CANTRELL-MARTOCCIO	CYPRESS	2-2S-1W	30*	344*	2,3*	42*	30*	309*	
4015	N. A. BALORIOGE	RICHVIEW	CYPRESS	2-2S-1W	200*	2533*	53,1*	474*	200*	2303*	
4012	C. T. EVANS	RICHVIEW UNIT	CYPRESS	2-2S-1W	664	6532	10,3	428*	244	2257	
4017	E. H. SELF	SKIBINSKI	CYPRESS	10-2S-14W	50*	388*	2,7*	45*	50*	303*	
4014	GEORGE THOMPSON	THOMPSON	CYPRESS	35-1S-1W,2-2S-1W	100*	5050*	11,3*	315*	100*	2865*	
RITTER N, RICHLAND											
*3430	ZANETIS OIL PROP	SE OLNEY U	SPAR HTN	18-3N-1E		92		5		54	
ROACHES N, JEFFERSON											
*2009	TEXACO, INC.	ROACHES NORTH UNIT		5,8-2S-1E		2590		30		2081	
ROCHESTER, WABASH											
3970	ASHLAND O AND R	NORTH ROCHESTER U	PENN	11,14-2S-13W	143	3736	3,5	451	106	1702	
			WALTERSBURG								
3972	ASHLAND O AND R	ROCHESTER COOP	PENN	14-2S-13W	428	7671	3,6	281	125	1684	
3968	YINGLING OIL, INC	KENNARD	PENN	14-2S-13W	*	11592*	*	783*	*	4585*	
			WALTERSBURG								
ROLAND C, GALLATIN, WHITE											
4314	ABSMER OIL CO	NORRIS CITY	HARDINSBURG	11,14-6S-8E	4*	604*	0,2*	64*	4*	201*	
4435	N. A. BALORIOGE	PORTER	WALTERSBURG	12-7S-8E	5*	515*	0,2*	38*	5*	515*	
			CYPRESS								
			AUX VASES								
4413	WM. BECKER	CROZIER-BILLIHAN	HARDINSBURG	36-5S-8E	18*	730*	2,4*	47*	18*	730*	
4324	ENERGY RESOURCES	N ROLAND U	AUX VASES	35-6S-8E,2-7S-8E	15*	149*	1,3*	8*	15*	134*	
4350	ENERGY RESOURCES	S ROLAND U	CYPRESS	10,11-7S-8E	115*	906*	7,0*	65*	115*	622*	
			AUX VASES								
*1418	EXXON	S, ROLAND	AUX VASES	16,21,27-7S-8E		1583*		198*		896*	
4258	EXXON	S,W, ROLAND	WALTERSBURG	14,15,16-7S-8E	1356	35196	51,6	2699	524	11230	
			AUX VASES								
4266	EXXON	ROLAND AREA U I	CYPRESS	2,11-7S-8E	490	8863	43,0	1433	728	6966	
			BETHEL								
			AUX VASES								
4436	FARRAR OIL CO.	HARTIN	AUX VASES	13-7S-8E	90*	570*	10,2*	45*	90*	570*	
4396	FEAR AND DUNCAN	MOBLEY-GREER	TAR SPRINGS	25-6S-8E	68*	419*	3,8*	62*	68*	346*	
*4361	F. J. FLEMING	DOERNER UNIT WF	WALTERSBURG	12,13-7S-8E		1458		80		888*	
*4262	T. W. GEORGE EST.	PANKEY-MOOREHEAD UNIT	CYPRESS	17,20-7S-8E		55*					
*4259	HUMBLE O AND R	STOKES U	HARDINSBURG	5-6S-9E		755		543		1270	
4375	LOOK OIL CO	ATCMLEY	CLORE	17-6S-9E	20*	538*	1,4*	32*	20*	294*	
*4347	E. F. MORAN, INC	NORRIS CITY	CYPRESS	33-6S-8E		771		15			
			BETHEL								
			AUX VASES								
*1446	HURVIN OIL CO.	ROLAND POOL U	BETHEL	24-7S-8E		1307*		57*		521*	
4419	MURVIN OIL CO.	ROLAND AUX VASES	AUX VASES	13,14,24-7S-8E	200*	1563*	12,5*	159*	200*	1068*	
*4407	NAPCO	MUGHES FLOOD	CYPRESS	9-6S-9E		458		16		164	
4403	NATIONWIDE ENERGY	ROLAND U	CYPRESS	1,12,13-7S-8E	200*	3015*	11,9*	236*	200*	1074*	
			BETHEL								
			AUX VASES								
*4418	OENNIS PAINE	COLLINS-ANDERSON	BETHEL	16-7S-8E		193*		42*		81*	



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
								Inj.	Prod.				
PHILLIPSTOWN C, EDWARDS, WHITE CONTINUED													
*4252	1830	11.0			32.8	05-51	02-61	5	9	60	SH SD, PROD (M)		*INCL PRIM PROD 1951-1961
*4369	2700	10.0				08-63	12-65	3	4	40	SH SO (F)		*NO DATA SINCE 1964
4342	1800	25.0	17.7		32.0	6-63		3	3	30	PRODUCED (B)		*ESTIMATED
4421	1830	15.0				02-68		3	12	240	PRODUCED (B)		
4215	2380	13.0			36.0	03-68		1	2	30	WELL, PROD (M)		
	2950	18.0	20.0	60				2	4	90			
*4254	2800	10.0	15.0	46	37.0	03-52	01-64	2	5	20	PRODUCED (B)		
4255	1850	47.0				08-71		1	5	60	PRODUCED (B)		
	2800	18.0				10-57		6	2	80			
	2930	24.0				10-57		2	5	80			
*4232	2300	12.0				11-55	01-58	1	2	30	PENN SAND (B)		
4225	2015	20.0			36.0	01-68		3	40				*INJ. WELLS ARE LINE WELLS
	2895	18.0						1	20				
	3040	8.0						2	60				
*4256	2000	10.0				12-55	06-60	1	5	50	PRODUCED (B)		
*4270	2248	10.0			34.5	01-53	06-54	1	9	10	PRODUCED (B)		
*4315	2800	17.0	14.2	7	36.3	03-69	01-72	4	3	70	PRODUCED (B)		
	2900	10.0	14.2	31				4	3	70			
	3050	10.0					08-70	4	4	80			
*4253	2000	15.0	19.0	100	37.0	09-53	06-74	2	5	70	PRODUCED (B)		*ESTIMATED
4306	1980	20.0				08-69		1	2	40	PRODUCED (B)		*ESTIMATED
	2960	9.0						1	2	40			
	3035	10.0						1	1	30			
PHILLIPSTOWN S, WHITE													
4357	2320	12.0	18.1	33		12-62		2	3	60	SH SO (F)		*ESTIMATED
RACCOON LAKE, MARION													
*2617	1900	6.9	14.0	199	36.0	07-61	12-74		3				*INCL DROPPED PROJ 2616
	1925	5.2	11.0	292				3	2	100			
2626	1650	15.0			35.0	03-65		2	4	120	PRODUCED (B)		
	1730	15.0					05-69	1	1	70			
RALEIGH, SALINE													
*3615	2550	10.0			32.0	05-64	12-74	1	1	20	PENN SD, PROD (B)		*ESTIMATED
3617	2553	14.0			33.7	05-62		18	14	350	CYPRESS, PROD (B)		*ESTIMATED SINCE 1969
*3605	2945	10.0	24.0	472	39.0	10-60	12-66	3	4	70	PAINT CK, PROD (B)		
RALEIGH S, SALINE													
3627	2050	13.0				01-75		1	2	80	PENN (B)		*EST, SUBSURFACE INJ. *ESTIMATED
3618	2840	12.5	18.4	130	38.0	08-64		3	4	80	PENN SO, PROD (B)		*ESTIMATED
*3604	2850	15.0		176	40.4	12-60	01-70	1	3	40	PENN SD, PROD (B)		*ESTIMATED 1964-1969
3616	2850	15.0	15.0		36.0	03-64		3	1	110	PRODUCED (B)		
RAYMOND E, MONTGOMERY													
*2900	595	6.0			34.1	08-59	12-67	2	2	20	PENN SO, PROD (B)		*ESTIMATED
RICHVIEW, WASHINGTON													
4016	1500	20.0				09-71		1	6	70	TAR SPR, PROD (B)		*ESTIMATED
4015	1480	20.0				03-70		4	10	140	TAR SPR (B)		*ESTIMATED
4012	1485	13.0	21.0	117	39.0	10-66*		5	9	97	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 3-66
4017	1480	25.0				01-71		2	2	20			*ESTIMATED
4014	1477	20.0				09-63		1	7	100	TAR SPR, PROD (B)		*ESTIMATED
RITTER N, RICHLAND													
*3430	3190	4.0			38.8	09-64	12-65	1	3	160	PENN SAND, PROD (B)		
ROACHES N, JEFFERSON													
*2009	1930	10.7	14.8	134	37.2	08-60	10-73	4	18	460	PRODUCED (B)		
ROCHESTER, WABASH													
3970	1285	12.0	19.0	100	40.1	07-60		2	3	80	GRAVEL BED (F)		
	1960	20.0	18.9	100				2	5	90			
3972	1285	12.0			30.5	01-60		3	2	70	GRAV, PROD (M)		
3968	1350	30.0	17.0	150	33.0	07-60		5	8	80	SH SO, GRAV (F)		*NO DATA 1975-76; *ESTIMATED
	1950	20.0	18.0	200	37.0			5	5	80			
ROLAND C, GALLATIN, WHITE													
4314	2575	8.0	16.0	30	36.6	10-69		5	4	110	SH SAND (F)		*ESTIMATED
4435	2190	12.0				01-62		1	2	30	PRODUCED (B)		*ESTIMATED
	2600	18.0						1	2	40			
	2900	10.0						1	2	40			
4413	2636	14.0	17.0	106	38.0	03-63		2	3	280	PRODUCED (B)		*ESTIMATED
4324	2950	10.0				06-70		2	6	130	PENN SO (B)		*ESTIMATED
4350	2650	8.0				04-70		2	4	60	PENN SO (B)		*ESTIMATED
	2950	10.0						2	4	60			
*1418	2920	15.0	16.2	61	40.0	06-59	01-76	2	2	120	PENN SO (B)		*NO INJ. 1975
4258	2175	14.0	19.5	275	31.0	06-55		13	19	560	PENN SO, PROD (B)		
	2900	12.0			39.0			2	4	110			
4266	2700	20.0	16.6	65	31.6	06-66		14	12	450	PENN SO, PROD (B)		
	2775	9.0	12.4	12				1	4	130			
	2900	6.0	13.8	14				8	15	910			
4436	2870	18.0				06-73		1	3	40	PRODUCED (B)		*ESTIMATED
4396	2332	10.0	23.9	77		02-62		1	2	80	PRODUCED (B)		*ESTIMATED
*4361	2200	15.0	18.0		31.0	06-62	01-68	4	4	80	PENN SO, PROD (B)		*ESTIMATED
*4262	2620	20.0	14.0	16		10-56	12-58	2	2	40	TAR SPR, PROD (B)		*ESTIMATED, O.F.
*4259	2530	11.6	18.8	256	35.8	07-54	12-66	7	10	170	PRODUCED (B)		
4375	1991	12.0			38.0	08-67		2	1	20	PALESTINE, PROD (B)		*ESTIMATED
*4347	2685	5.0				07-66	10-68	2	2	40	PENN SAND (F)		
	2800	30.0						4	4	80			
*1446	2750	18.0	14.0	35	38.0	01-70	06-74	8	11	200	PENN SO (B)		*ESTIMATED
4419	2860	15.0				04-69		6	16	260	PRODUCED (B)		*ESTIMATED
*4407	2740	14.0			37.0	04-65	01-72	2	2	20	PRODUCED (B)		
4403	2600	10.0	15.2	38		01-67		7	10	230	TAR SPRINGS (B)		*ESTIMATED
	2800	15.0				03-69		2	6	80			
	2920	9.0				01-70		1	1	20			
*4418	2795	15.0				02-64	04-75	1	2	30	PRODUCED (B)		*NO PRODUCTION, 1975

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. N.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
ROLANO C, GALLATIN, WHITE CONTINUED											
	4422	PETRO INTERNATIONAL	GENTRY & LOWRY	TAR SPRINGS	13-68-8E	130*	1393*	25.9**	117**	130*	915*
	4310	REBSTOCK OIL CO.	GEN AMER LIFE	CYPRESS CLORE WALTERSBURG CYPRESS BETHMEL AUX VASES	1-78-8E	342*	2507*	4.4*	130*	216*	1836*
*1413	ROYALCO, INC.	OMAMA U		WALTERSBURG	20,21,28,29-78-8E		12070		593		3896
*4319	ROYALCO, INC.	E. ROLAND		AUX VASES	2,3-78-8E		1702		107		425
*4261	SHELL OIL CO.	IRON UNIT		MARDINSBURG	23,24,25-63-8E		18512		2254		9380
4322	JOE SIMPKINS OIL	ROLANO POOL U		WALTERSBURG	10,11-78-8E	100*	1807*	5.4*	126*	100*	937*
				BETHMEL AUX VASES							
4214	SUN OIL CO.	ROLANO POOL U AREA II		CLORE WALTERSBURG TAR SPRINGS CYPRESS BETHMEL AUX VASES	1,2,11,12,13,14-73-8E 36-68-8E	4770	38496	87.2	3252	2315	18284
				CYPRESS BETHMEL AUX VASES							
4244	SUN OIL CO.	ROLANO WEST U		CYPRESS BETHMEL AUX VASES SPAR MTN	4,9-73-8E	463	4392	22.6	274	301	2461
*4260	UNION OIL CALIF.	STOKES-BROWN&VILLE U		MARDINSBURG	36-53-8E,31,32-58-9E, 1,11,12-63-8E,6-68-9E		16366		2290		9607
4385	UNION OIL CALIF.	WALNUT GROVE U		TAR SPRINGS CYPRESS PAINT CREEK BETHMEL AUX VASES OMARA SPAR MTN MCCLOSKEY CYPRESS	7,8,17,18,19-68-9E	1853	23793*	109.2	2568*	1385	11315*
				CYPRESS							
*1435	WAUSAU PET. CORP	GOSBETT		CYPRESS	19,20-73-8E 18-78-8E		693		81		125
RUARK, LAWRENCE 2267	MOORE ENG	RUARK WFU	PENN		7-2N-12W	72*	828*	4.4*	144*	72*	314*
RUARK W, LAWRENCE 2284	CITIES SERVICE	W. RUARK U		BETHMEL	12,13-2N-13W	173	6293	8.0	671	214	3843
*2293	EARLE B REYNOLDS	WIRTH		BETHMEL	13-2N-13W		+		34*		+
2290	JOE WILLIAMS	W W PROUT		BETHMEL	12-2N-13W	*	*	1.0*	33*		
RURAL HILL N, HAMILTON *1515	ACME CASING	MOORE UNIT		CYPRESS	34,35-53-5E		1539		210		544
ST FRANCISVILLE, LAWRENCE 2263	MAROLO BRINKLEY	PEPPLE AND MOODY		BETHMEL	19,20-2N-11W	*	787*	*	29*	*	319*
*2279	LOGAN OIL CO.	WILSON '8'		BETHMEL	20-2N-11W		31				
*2229	OIL RECOVERY, INC	ST FRANCISVILLE		BETHMEL	20-2N-11W		90				
ST. FRANCISVILLE E, LAWRENCE *2218	BAUER BROTHERS	ALL STATES LIFE		BETHMEL	22-2N-11W		3528		267		1145
ST JACOB, MAISON 2506	BELLAIR OIL	ELLIS WF	TRENTON		27-3N-6W	60*	2088*	6.0*	117*	60*	1066*
2503	WARRIOR OIL CO.	TRENTON LIME UNIT	TRENTON		15,16,21,27-3N-6W	366	7448	14.3	600	269	4522
2505	WARRIOR OIL CO.	S. ST. JACOB UNIT I,	TRENTON		27-3N-6W	256	2487	6.0	84	207	1955
ST JAMES, FAYETTE 1238	N. A. BALORIOGE	WILLIAM SMAIL	CYPRESS		25,36-6N-2E	110*	1766*	5.4*	225*	110*	2454*
1245	W. L. BELOEN	ST JAMES	CARPER		25-6N-2E,30-6N-3E	59	885	7.5*	62**	59*	885*
1250	W. L. BELOEN	ST JAMES NORTH	CARPER		19,30-6N-3E	248	2034	5.1*	117**	248*	2034*
1253	M-B-C- CORP	SMITH-STEPHENS	CYPRESS		31-6N-3E	500*	8768*	30.4*	573*	500*	8768*
1240	MARATHON OIL CO.	ST. JAMES 1-C	CYPRESS		36-6N-2E, 30,31-6N-3E	518	9065	57.5	1327	482	6299
*1222	HENRY ROSENTHAL	WASHBURN	CYPRESS		30-6N-3E		1000*		198*		1000*
1251	HENRY ROSENTHAL	WASHBURN	CARPER		30-6N-3E	250*	2809*	10.2*	84*	250*	638*
1239	TEXACO, INC.	ST. JAMES WF	CYPRESS		25-6N-2E,30,31-6N-3E	630	5893	14.9	462	611	5963
STE MARIE, JASPER *1912	MURVIN OIL CO.	STE. MARIE	SPAR MTN		7-5N-11E		*		12*		*
*1905	J. R. RANDOLPH	STE. MARIE WF	MCCLOSKEY		5,6,7,8-5N-14W		1900		191		62
*1923	S AND M OIL CO.	STE MARIE U	MCCLOSKEY		1-5N-10E/ 6-5N-11E		1620		78		327
1920	C. R. WINN	WADE 2	MCCLOSKEY		5,6-5N-14W	10*	642*	1.2*	30*	10*	460*
SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER * 318	ASHLAND O AND R	E. FLORA	MCCLOSKEY		16,21-3N-7E		2173		195		2605
377	ASHLAND O AND R	E W KECK LEASE	MCCLOSKEY		35-4N-7E	22	181	6.1	29	36	145
* 309	CITIES SERVICE	WYATT	AUX VASES		13-5N-7E		848		40*		446*
* 334	CITIES SERVICE	WYATT	SPAR MTN		13-5N-7E		23		*		*
359	WALTER OUNCAN	GOULO UNIT	CYPRESS		15-5N-7E	400*	3373*	22.4*	1214*	400*	2955*
1102	WALTER OUNCAN	BRINK	CYPRESS		34-6N-7E	110*	2499*	5.7*	534*	110*	1742*
1116	WALTER OUNCAN	KLUTME	CYPRESS		33-6N-7E	80*	715*	6.6*	293*	80*	2112*
374	J. C. FRANKLIN	NW CLAY	CYPRESS		35-4N-7E	80*	511*	5.3*	72*	90*	541*
			AUX VASES								
1114	J. C. FRANKLIN	REINHART, STORTZUM	CYPRESS		22-6N-7E	195*	1575*	15.4*	179*	195*	1070*
* 310	GULF OIL CO	R. KECK	CYPRESS		26-4N-7E		65		11		37
* 339	GULF OIL CO	SAILOR SPRINGS UNIT	CYPRESS		26-4N-7E		315		49		70
1118	GULF OIL CO	F H KLUTME	CYPRESS		33-6N-7E	*	*	47.7	647	59	246
328	C.O.HAGAN	SAILOR SPRINGS	TAR SPRINGS		26-4W-7E	50*	2887*	3.0*	169*	50*	2309*
			CYPRESS								
356	JET OIL CO.	RIALE GROVE UNIT	CYPRESS		10-5N-7E	600*	9540*	13.9*	1288*	225*	4495*
*1107	JET OIL CO.	BLUNT COMM U	MCCLOSKEY		17,20-6N-7E		970		102		655
329	JUNIPER PETROLEUM C	N SAILOR SPRINGS	CYPRESS		2-4N-7E,35-5N-7E	50	4350	3.9	212	56	1847
			AUX VASES SPAR MTN								

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
ROLANO C, GALLATIN, WHITE CONTINUED													
4422	2310	15.0				01-71		3	4	70	PRODUCED (B)		*EST +INCL PRIM PROD
	2710	10.0						3	3	60			
4310	1960	6.0	18.7	150		10-68		2	1	30	FRESH, PROD (M)		*ESTIMATED
	2185	12.0	19.8	264				4	4	80			
	2620	5.0						1	1	20			
	2800	8.0	13.3	73				4	4	80			
	2900	8.0	12.0	70				1	1	20			
*1413	1695	14.0	19.0	225	37.2	03-53	04-73	16	17	336	PRODUCED (B)		
*4318	2935	20.0	14.2	4	35.6	12-61	07-69	8	8	260	SH SO, PROD (M)		
*4261	2500	25.0	17.6	152	37.0	12-50	04-66	20	24	440	CYPRESS, PROD (B)		
4322	2150	15.0				07-69		4	6	160	PENN SAND (B)		*ESTIMATED
	2740	10.0						4	6	160			
	2870	15.0						6	8	180			
4214	1900	9.0				04-68		4	7	120	WELL, PROD (M)		
	2200	12.0						16	25	440			
	2250	7.0						2	6	90			
	2500	11.0						13	25	400			
	2750	14.0						21	32	550			
	2900	21.0						4	31	150			
4244	2620	14.0	14.0	34	37.0	02-66		7	12	200	PENN SO (B)		
	2725	9.0	11.0					5	12	180			
	2925	15.0	16.5	55				6	9	160			
	3000							1	1	40			
*4260	2628	15.0	17.0	106		08-55	08-67	38	31	1142	PENN SO, PROD (B)		
4385	2300	12.4				02-67+		16	14	300	PRODUCED (B)		*CORRECTED TO INCLUDE 1964-1966 DUMP FLOOD DATA; *UNIT EFFECTIVE 7-66
	2640	10.5	18.0	60				14	13	302			
	2790	10.0	17.0	50				5	5	100			
	2880	22.0						23	20	449			
	2900	10.0						14	13	278			
	2940	3.0						5	5	100			
	2970	3.0						19	5	200			
	3060	1.3						2	2	63			
*1435	2550	12.0	18.5	80	38.0	07-64	05-70	3	7	100	PENN SO, PROD (B)		
RUARK, LAWRENCE													
2267	1640	8.0	16.0	105	33.8	04-63		1	2	56	SH SO (F)		*ESTIMATED
RUARK W, LAWRENCE													
2284	2250	17.0	16.0	100	38.0	08-65		20	15	370	TAR SPR, PROD (B)		
*2293	2234	11.0				08-65+	07-72	*	2	20			*ESTIMATED; *WINDOW IN ACTIVE WF
2290	2260	10.0				01-67		*	2	30			*ADJ ACTIVE WF, NO INJ *EST
RURAL MILL N, HAMILTON													
*1515	2400	10.0	13.8	22	35.5	05-60	01-69	3	2	140	PRODUCED (B)		
ST FRANCISVILLE, LAWRENCE													
2263	1840	12.0			41.0	04-62		2	5	80	GRAV, PROD (M)		*NO DATA 1973-76
*2278	1850	10.0	18.5	65		11-64	12-66	1	1	30	CYPRESS (B)		
*2228	1865	12.0	17.5	43	38.0	12-50	06-54	2	1	30	SH SO, PROD (M)		
ST. FRANCISVILLE E, LAWRENCE													
*2218	1740	27.0	17.0	40	36.5	11-57	11-72	6	9	160	RIVER GRAVEL (F)		
ST JACOB, MADISON													
2506	2340	20.0	6.0		35.6	11-65		4	7	230	SH SO, PROD (M)		*ESTIMATED
2503	2351	15.7	9.6	11	37.0	08-62		12	12	442	AUX VASES, PROD (B)		
2505	2320	18.0	9.6		36.0	11-65		2	5	180	AUX VASES, PROD (B)		
ST JAMES, FAYETTE													
1238	1560	16.0	20.0	150		07-63		3	6	50	PRODUCED (B)		*ESTIMATED
1245	3130	42.0			37.4	12-65		1	5	60	PRODUCED (B)		*INCL PRIM PROD SINCE 1-66 *EST
1250	3100	20.0				01-66		1	6	180	PRODUCED (B)		*EST *INCL PRIM PROD
1253	1600	10.0				01-61		3	16	175	PRODUCED (B)		*ESTIMATED
1240	1600	22.0	18.0	230		08-63		11	26	588	PRODUCED (B)		
*1222	1595	20.0			34.0	03-54	12-62	3	9	100	PRODUCED (B)		*1959-1962 ESTIMATED
1251	3090	45.0	11.0			04-68		1	5	90	PRODUCED (B)		*ESTIMATED
1239	1600	13.4	19.6	76	37.0	05-63		3	10	200	PRODUCED (B)		
STE MARIE, JASPER													
*1912	2910	10.0			36.2	11-61	12-65	2	6	160	CYPRESS (B)		*O.F., UNKNOWN; *DATA ESTIMATED
*1905	2860	7.0				10-48	12-60	1	14	400	CYPRESS (B)		
*1923	2850	8.0	15.0	300	39.0	04-68	12-72	2	7	140	GRAVEL BED (F)		
1920	2822	5.0			37.0	01-66		1	2	60	RIVER GRAVEL (F)		*ESTIMATED
SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER													
*318	2950	6.0	16.0	800	36.7	11-56	12-66	3	9	160	PRODUCED (B)		
377	2961	10.0			37.0	12-72		1	4	80	PRODUCED (B)		
*309	2770	9.2	17.0	50	35.0	09-53	12-61	2	2	40	PENN SO, PROD (B)		*INCLUDES 334
*334	2845	10.0				01-61	01-62	1	1	20	PENN SO, PROD (B)		*INCLUDED WITH 309
359	2507	15.0	16.0	130		01-66		5	9	130	PENN SO (B)		*ESTIMATED
1102	2530	18.0				12-57		2	5	90	PENN SO, PROD (B)		*ESTIMATED
1116	2520	15.0				05-69		1	5	80	PRODUCED (B)		*ESTIMATED
374	2600	12.0				12-70		2	4	80	PRODUCED (B)		*ESTIMATED
	2840	12.0						2	4	80			
1114	2560	6.0				06-67		4	7	130	PRODUCED (B)		*ESTIMATED
*310	2602	10.0				09-57	03-60	1	1	20	PRODUCED (B)		
*339	2600	20.0	16.0	10	37.6	06-63	07-66	3	3	60	PRODUCED (B)		
1118	2510	10.0				01-66		1	5	40			*AFFECTED BY ADJ WF
328	2300	7.0	20.0		32.7	04-58		1	10	150	PRODUCED (B)		*ESTIMATED
	2600	7.0	19.0					1	7	100			
356	244C	20.0	20.0	70	38.0	01-66		12	13	430	PENN SAND (M)		*ESTIMATED 1976
*1107	2860	5.0				11-62	06-69	3	5	60	LAKE, PROD (M)		
329	2560	8.0			36.0	11-56		3	4	100	PENN SO, PROD (B)		
	2800	15.0						3	2	80			
	2880	6.0						4	3	140			



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER CONTINUED											
	1100	KEN-TEX	BIBLE GROVE	SPAR MTN	28,29=6N-7E	50*	4622*	2.9*	447*	50*	1942*
	*1103	KINGWOOD OIL CO.	NAOLER AND JOERGENS	MC CLOSKEY CYPRESS	28=6N-7E		1834		101		888
	319	LAOD PETROLEUM	SAILOR SPRINGS U	SPAR MTN	13=5N-7E	120	2312	8.1	152	29	284
	1117	LAOD PETROLEUM	J HABBE	CYPRESS	33=6N-7E	*	*	5.9*	184*		
	352	MAC OIL COMPANY	BIBLE WF UNIT	CYPRESS	9=4N-7E	97	1712	8.4	274	97	820
	* 312	W. C. MCBRIDE	GOLOSBY-DICKEY	CYPRESS	34=4N-7E		622		31		142
	* 313	W. C. MCBRIDE	DUFF-KECK	CYPRESS	26,35=4N-7E		1845		140		681
	* 314	W. C. MCBRIDE	BOTHWELL	CYPRESS	14=3N-7E		98		5		
	344	W. C. MCBRIDE	DEHART	CYPRESS	9,10=3N-7E	9	983	0.2	80	9	697
	348	W. C. MCBRIDE	STASER U	CYPRESS	12,13,14=3N-7E	113	2605	2.2	190	102	1012
	364	W. C. MCBRIDE	GOLOSBY-WILSON	CYPRESS	34=4N-7E	241	2630	14.0	156	228	1786
				AUX VASES							
	370	W. C. MCBRIDE	ARMSTRONG U	CYPRESS	3,10=3N-7E	12	210*	1.9	13	12	99
	375	W. C. MCBRIDE	PATTON-SMITH U	CYPRESS	11=3N-7E	14	189	3.5	24	19	130
	* 311	MCCOLM, KINCAID	SAILOR SPRINGS	CYPRESS	14,15,23=4N-7E		6979		1023		3203
	* 336	MCCOLM, KINCAID	NORTH MOOSIER UNIT	CYPRESS	10=4N-7E		2174		465		1221
	355	MCCOLM, KINCAID	BIBLE GROVE WF UNIT	CYPRESS	15,22=5N-7E	270*	4899*	12.4*	1131*	270*	3099*
	* 352	MCCOLM, KINCAID	HAROLD	CYPRESS	10=5N-7E		+		17*		+
	383	MCCOLM, KINCAID	CHLORS-HAROLD-HARMON	CYPRESS	9,10=5N-7E	150*	180*	29.1*	29*	50*	50*
	366	MCKINNEY, FUNOERB	SPARLIN	CYPRESS	3=5N-7E	12	164	1.5	45	12	126
	* 340	MOBIL OIL CORP.	NORTH MOOSIER U	CYPRESS	15=4N-7E		1608		274		864
	321	BERNARD POOLSKY	BUCK CREEK U	MCCLOSKEY	8,9,16,17=3N-7E	601	3274	18.8	192	465	2145
	* 333	BERNARD POOLSKY	C. BOWERS	MCCLOSKEY	16=3N-7E		231		44		182
	371	BERNARD POOLSKY	E FLORA	MCCLOSKEY	9=3N-7E	139	825	1.8	13	100*	464*
	* 343	RAY-OBER OIL CO.	MASTINGS	CYPRESS	23=4N-7E		118*		7*		
	365	C O REED	MCCOLLUM	CYPRESS	9,16=4N-7E	140*	856*	8.7*	89*	140*	628*
	369	EARLE B REYNOLDS	STORCK	CYPRESS	5=5N-7E	95*	935*	5.3*	77*	95*	915*
	379	ROBISON OIL CO.	BATEMAN, CROUSE, WORKMAN	CYPRESS	24,25=5N-7E	12*	15*	9.6*	10*	10*	12*
	361	HUBERT ROSE	BATEMAN UNIT	CYPRESS	25,26,35=5N-7E	78*	2107*	4.7*	100*	78*	626*
	350	SHAKESPEARE OIL	STANFORD UNIT	SPAR MTN	22,27=3N-7E	3	442	0.9	28	3	187
	* 315	SHULMAN BROTHERS	COLCLASURE AND MAROY	CYPRESS	10=3N-7E		1177		28		496
	* 316	SHULMAN BROTHERS	NEFF	MCCLOSKEY	16=3N-7E		99		3		
	* 325	SHULMAN BROTHERS	LEWIS-CYPRESS	CYPRESS	13=5N-7E		84		5		84
	1106	SOMIO PETROLEUM	ROSICLARE LIME UNIT	SPAR MTN	5=5N-7E, 32=6N-7E	320	7192	11.4	960	320	4892
	* 367	SO, TRIANGLE CO.	SAILOR SPRINGS	CYPRESS	11,12,13,14=4N-7E		510		10		201
	1109	SUN OIL CO.	BIBLE GROVE U, SO, U.	CYPRESS	22,27,28,34=6N-7E	381	7025	11.3	1181	257	4310
	360	TEXACO, INC.	NORTH BIBLE GROVE U	CYPRESS	3,4,5,8,9,10=5N-7E, 32=6N-7E	2814	35497	66.3	3602	2373	20641
	365	TEXACO, INC.	W G LANDWEHR	CYPRESS	9=5N-7E	161	1988	6.8	96	42	256
	1115	R. O. WILSON II	KLUTHE-STORTZUM-LAKE	CYPRESS	15,22=6N-7E	84*	405*	20.7*	213*	40*	306*
SALEM C, JEFFERSON, MARION											
	2613	T. L. CLARK	PHELPS-WALNUT MILL U.	SPAR MTN	28,33=1N-2E	25*	2737*	4.1*	226*	25*	120*
	2612	EGO OIL CO	SEBASTIAN	BENOIST	21=1N-2E	15*	309*	1.4*	32*	15*	309*
	2624	EGO OIL CO	LUTTRELL	SPAR MTN	15=1N-2E	8*	153*	1.2*	17*	8*	75*
	2633	EGO OIL CO	BURGE	SPAR MTN	21=1N-2E	20	104*	3.0	10*	20	104*
	2006	EXXON	OIX R. AND PM.	BENOIST	3,4,9,10,15,16=13-2E	1173	29230	184.0	14984	992	20655
	2010	EXXON	SALEM CONS	AUX VASES	3,4,10=1S-2E	812	28487	25.7	115*	880	20506
	*2604	TEXACO, INC.	ROSICLARE SAND UNIT	SPAR MTN	15=1N-2E		1913		96		207
	2605	TEXACO, INC.	SALEM UNIT	BENOIST	11,2N=R2E	4208	526231	192.9	41851	10356	362837
	2606	TEXACO, INC.	SALEM UNIT	DEVONIAN	11,2N=R2E	45782	307012	1441.9	11632	39694	267532
	2607	TEXACO, INC.	SALEM UNIT	MCCLOSKEY	11,2N=R2E	14904	434581	315.8	23027	14071	309651
	2608	TEXACO, INC.	SALEM UNIT	AUX VASES	11,2N=R2E	29238	489385	482.3	33222	19890	294608
	2636	TEXACO, INC.	SALEM U	SALEM	11,2N=R2E	1335	17704*	37.8	250*	165	1269*
	*2637	TEXACO, INC.	SALEM U	TRENTON	11,2N=R2E		806		4		15
SAMSVILLE N, EDWARDS											
	*1010	ASHLAND O AND R	WEST SALEM	BETHEL	30=1N=14W		319		7		
SCHNELL, RICHLAND											
	3439	UNION OIL CALIF.	SCHNELL CONSOL	MCCLOSKEY	7=2N=9E	20	855	1.0	39	1	324
SEMINARY, RICHLAND											
	*3410	R. JOHNSON	SEMINARY	MCCLOSKEY	17=2N=10E		889		25		290
SESSER C, FRANKLIN											
	1343	N. A. BALDRIDGE	GALLOWAY	AUX VASES	20=5S=2E	100*	500*	20.3*	117*	100*	500*
	1318	WM. BECKER	OLD BEN COAL FLOOD	AUX VASES	13,14,23,24=6S=1E	425*	6762*	21.1*	715*	425*	4245*
				CLEAR CREEK							
	1325	FARRAR OIL CO.	SESSER UNIT	AUX VASES	26,35=5S=1E, 2=6S=1E	57	2114	28.1	944	40	840
	1330	FARRAR OIL CO.	CHRISTOPHER U	RENAULT	24,25=6S=1E	16*	455*	4.2*	69*	13*	139*
				AUX VASES	19,30=6S=2E						
	*1306	FARRAR OIL CO.	SESSER U	RENAULT	17,19,20=5S=2E		1574		173		75
	1339	JOE SIMPKINS OIL	SOUTH SESSER UNIT	AUX VASES	2=6S=1E	100*	307*	5.0*	14*	100*	192*
SHATTUC, CLINTON											
	410	T. H. CONREY, JR	SHATTUC WF	CYPRESS BENOIST	27,28=2N=1W	50*	1000*	9.1*	151*	50*	495
SHANNEETOWN N, GALLATIN											
	*1416	SUN OIL CO.	L. MILLER	AUX VASES	7=9S=10E		357		48		163
SIGGINS, CLARK, CUMBERLAND											
	* 216	ACHE CASING	UNION GROUP	2ND SIGGINS	18=10N=11E		23839		2721		21092
	700	BELL BROTHERS	FLOOD 1	2ND SIGGINS	13=10N=10E	36	936	3.8	275	22	950
	* 701	COCHONOUR, CLARK	VEVAY PARK	2ND SIGGINS	25=10N=10E		255		2		103
	702	HARATON OIL CO.	SIGGINS	2ND SIGGINS	13,14=10N=10E, 7,11,12=10N=11E	2500*	104760*	99.4*	13207*	2600*	21285**
	* 215	OMER W. DOLE	SIGGINS	SIGGINS	7=10N=14W 7=10N=11E		50*		9*		50*
	707	CLIFFORD A. PERRY	REEDER	2ND SIGGINS	24=10N=10E	15*	92*	2.4*	11*	15*	92*



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER CONTINUED													
1100	2850	5.0			37.0	07-54		1	1	40	CYP., T.S., PROD (B)	*ESTIMATED	
	2870	4.0						3	3	180			
*1103	2856	9.0				06-55	07-65	1	1	20	CYPRESS, PROD (B)		
	2863	6.0						3	3	100			
319	2600	12.0			36.5	07-67		2	9	320	CYPRESS SD (B)		
1117	2500	25.0				06-68		*	3	60		*ADJ. TO ACTIVE WF +EST	
352	2600	20.0	18.0	24	37.7	09-63		3	9	160	PENN SD, PROD (B)		
* 312	2580	15.0	15.4	17	38.0	09-55	10-64	1	2	50	PRODUCED (B)		
* 313	2600	12.0	19.0	60	38.0	07-53	09-66	2	5	120	PRODUCED (B)		
* 314	2650	10.0	19.0	20	36.0	08-56	12-59	1	1	20	PRODUCED (B)		
344	2610	15.0	17.5	50		11-64		1	3	60	PENN SD, PROD (B)		
348	2620	20.0	16.0	20		06-65		6	4	100	PENN SD, PROD (B)		
364	2585	12.0				01-69		10	12	160	PENN SD, PROD (B)		
	2830	6.0						3	3	60			
370	2600	10.0				07-71		2	3	110	PENN SD, PROD (B)	*INJ CURTAILED 5-74T05-75	
375	2575	10.0			37.5	05-72		3	3	90	PENN SD, PROD (B)		
* 311	2600	15.1	17.3	48	37.0	07-54	01-69	11	18	350	CYP SD, PROD (B)		
* 336	2580	15.0	17.0	50	36.0	12-62	06-70	10	12	220	PENN, PROD (B)		
355	2500	18.0	18.0	80		12-65		7	13	200	PENN SD, PROD (B)	*ESTIMATED	
* 382	2495	21.0				01-66	08-75	+	1	10		*ESTIMATED; +ADJ TO ACTIVE WF	
383	2580	18.0				07-75		1	3	50	PRODUCED (B)	*ESTIMATED	
366	2510	8.0				07-69		1	1	60	PRODUCED (B)		
* 340	2600	12.0	18.7	40	37.0	08-62	12-68	10	5	140	PENN SD (B)		
321	2980	7.8			37.7	12-70		3	13	340	CYPRESS (B)		
* 333	3000	6.0	10.0	500	36.0	09-61	04-66	1	3	40	PRODUCED (B)		
371	2950	7.0			35.0	02-71		1	4	150	PURCHASED (M)	*ESTIMATED	
* 343	2600	16.0	17.0	56	37.4	10-63	12-66	1	1	40	PENN SD, PROD (B)	*1964-1966 ESTIMATED	
368	2620	15.0				06-69		1	6	70	PRODUCED (B)	*ESTIMATED	
369	2500	15.0				06-69		2	4	60	PRODUCED (B)	*ESTIMATED	
379	2575	13.0				09-75		1	3	40	LAKE AND PRODUCED	*ESTIMATED	
361	2570	11.0	17.0	31		01-66		2	3	240	PRODUCED (B)	*ESTIMATED	
350	2990	10.0				12-65		1	3	30	SH SD, PROD (M)		
* 315	2620	15.0	16.4	16	36.0	07-57	06-65	1	1	80	PRODUCED (B)		
* 316	3000	5.0			36.0	01-57	12-59	2	1	80	TAR SPRINGS (B)		
* 325	2510	8.0			36.0	01-66	09-67	1	1	30	PRODUCED (B)		
1106	2800	10.0			38.5	06-61		6	9	550	GRAV, PROD (M)		
* 367	2620	12.0	17.2	75	36.0	09-70	12-72	5	6	120	PENN SD (B)		
1109	2520	7.0			38.0	01-65		12	11	385	SH SD, PROD (M)		
360	2475	30.0	16.3	67	37.0	07-66		29	28	1320	PENN SD (B)		
365	2450	10.0	16.0	113	37.0	01-69		1	2	80	PRODUCED (B)		
1115	2580	12.0	19.5	190	38.0	04-69		2	6	90	PRODUCED (B)	*ESTIMATED 1976	
SALEM C, JEFFERSON, MARION													
2618	2102	7.0	12.0		39.2	06-63		4	11	260	PENN SD, PROD (B)	*ESTIMATED 1974-76	
2612	1927	8.0			34.6	01-59		1	2	10	PRODUCED (B)	*ESTIMATED	
2624	2100	15.0				01-67		1	2	30	PRODUCED (B)	*ESTIMATED	
2633	2110	8.0				01-71		1	4	40	PRODUCED (B)	*ESTIMATED	
2006	1950	19.0	16.7	130	38.0	01-48		4	30	2078	PENN SD, PROD (B)		
2010	2000	16.0	14.0	20	38.0	08-60		27	22	1090	PENN SD, PROD (B)		
*2604	2093	14.0	11.5	43	36.5	04-50	08-62	3	5	100	PRODUCED (B)		
2605	1770	28.0	17.9	150	37.0	10-50		31	56	8247	LAKE, PROD (M)		
2606	3400	19.0	16.8	300	36.5	10-50		57	72	5414	UPPER SD, PROD (B)		
2607	1950	20.0	15.8	700	37.0	04-51		82	67	7712	LAKE, PROD (M)		
2608	1825	26.0	16.3	28	37.0	10-50		120	82	4881	LAKE, PROD (M)		
2636	2175	25.0	10.5	35	37.5	01-71		14	12	840	PROD, FRESH (M)	*CUM'S, CORRECTED TO 1976 DATA	
*2637	4520	99.0	7.2	27	40.7	09-67	01-74	3	2	160	PROD, FRESH (M)		
SAMSVILLE N, EDWARDS													
*1010	2930	5.0				09-54	02-59	1	1	20	PRODUCED (B)		
SCHNELL, RICHLAND													
3439	2988	15.0			39.5	08-68		1	1	103	PRODUCED (B)		
SEMINARY, RICHLAND													
*3410	3000	8.0			36.0	02-54	04-57	2	4	120	CYPRESS (B)		
SESSER C, FRANKLIN													
1343	2670	12.0				01-70		1	7	80	PRODUCED (B)	*ESTIMATED	
1318	2600	18.0			40.0	07-64		8	18	410	PENN SD, PROD (B)	*ESTIMATED	
	4375	20.0			40.0			1	2	60			
1325	2600	15.0	18.0	10	38.0	05-65		6	14	360	CYPRESS, PROD (B)		
1330	2570	10.0				10-69		1	5	60	CITY WATER (F)	*ESTIMATED 1976	
	2600	6.0						3	5	80			
*1306	2690	5.0			39.4	08-58	01-70	6	6	220	LAKE, PROD (M)		
1339	2610	15.0				10-1		2	6	140	PRODUCED (B)	*ESTIMATED	
SHATTUC, CLINTON													
410	1285	6.0			34.6	07-59		3	8	110	TAR SPR, PROD (B)	*ESTIMATED	
	1436	9.0			35.0	01-64		2	2	40			
SHAWNEETOWN N, GALLATIN													
*1416	2750	15.0			37.0	11-59	09-66	2	1	30	PENN SD (B)		
SIGGINS, CLARK, CUMBERLAND													
* 216	404	31.0	18.0	51	36.0	12-46	01-72	92	84	459	GRAV, PROD (M)		
700	320	18.9	18.9	73	35.9	09-50		9	15	80	SURFACE (M)		
* 701	600	16.0	20.3	349	30.1	12-50	12-56	2	4	14	LAKE, PROD (M)		
702	400	32.0	17.5	56	36.4	06-42		454	471	2019	GRAV, PROD (F,B*)	*SINCE 1970; +ESTIMATED	
* 215	450	36.0	21.5	40	33.8	04-52	01-74	30	27	135	PRODUCED (B)	*ESTIMATED SINCE 1965	
707	520	30.0				09-68		1	4	90	WELL, PROD (M)	*ESTIMATED	

TABLE 11. Waterflood operations

Field, County	General information					Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
SORENTO C, BONO	7	JACK COLE	YOUNG & VONBERG U.	PENN	32-6N-4W	+	134**	1.0*	6*	+	26**
* 5 JOE A. OULL			SORENTO SOUTH	LINGLE	29-6N-4W		88		4		57*
STAUNTON W, MACOUPIN											
2400 RAY E. HOWELL		DEHNE		PENN	16-7N-7W	*	16*	*	1*	*	2*
STEWARSON, SHELBY											
3800 W. L. BELDEN		CHAFFEE-HARPER-WABASH	AUX VASES		27-10N-5E	277	2351	18.9*	377**	277	2351
3801 DONALD W. GESELL		MORT HORAN	AUX VASES		27-10N-5E	104	1921*	5.2	152*	104	1411*
			SPAR HTN								
STORMS C, WHITE											
*4431 ATLAS DRILLING		HS & GP HANNA	TAR SPRIN		28-5S-10E		1000*		58		1000*
4204 C. E. BREHM		R-B U	WALTERSBURG		12,13-6S-9E	387	3551	22.4	482		
4438 C. E. BREHM		C.S. AUSTIN	WALTERSBURG		22-6S-9E	*	*	33.8*	236*	600*	4600*
4241 JACK BROOKOVER		W. S. HANNA	PENN		28-5S-10E	34	454	2.0	30	34	389
4240 DARCO OIL CO.		POHERDY	AUX VASES		28,33-5S-10E	10*	448*	1.2*	26*	10*	173*
4263 JIM HALEY		STORMS POOL UNIT	WALTERSBURG		2,11-15,22-24-6S-9E	725*	127959*	30.2*	3077*	725*	78056*
			AUX VASES								
*4271 MABEE PET. CORP.		STORMS	WALTERSBURG		22-6S-9E		90				
4248 DENNIS PAINE		ALORIOGE	WALTERSBURG		12-6S-9E	200*	6206*	6.2*	312*		
			AUX VASES								
4380 DENNIS PAINE		TRAINOR	TAR SPRINGS		23-6S-9E	+	680**	8.6*	84*	+	680**
*4296 BERNARD PODOLSKY		MCQUEEN	DEGONIA		32-5S-10E		1873		210		721
			CLORE								
4415 SO. TRIANGLE CO.		STORMS UNIT (WILSON)	WALTERSBURG		22-6S-9E	625*	5064*	39.9*	551*	525*	1784*
4234 SUN OIL CO.		S STORMS EXTENSION	WALTERSBURG		12,13-6S-9E	778	9894	33.1	623	880	6904
4399 SUN OIL CO.		N STORMS EXT COOP	WALTERSBURG		1,12-6S-9E/6-6S-10E	1482	16754	39.0	946	1330	14300
			TAR SPRINGS								
			AUX VASES								
*4295 TAMARACK PET.		HANNA	CLORE		32-5S-10E		1754		322*		815*
*4327 TAMARACK PET.		CALVERT	CLORE		32-5S-10E		402		2		19
4366 TAMARACK PET.		HANNA "A"	RIEHL		29-5S-10E	60	790	2.4	73	53	613
*4372 TAMARACK PET.		HANNA	RIEHL		32-5S-10E		424		*		*
4285 TARTAN OIL CO.		FERGUSON-RUODLPH	PENN		22-5S-10E	12*	442*	1.1*	14*	12*	210*
STRINGTOWN, RICHLAND											
*3411 N. C. DAVIES		STRINGTOWN	STE GEN		31-5N-14W		257		19		289
*3412 HELMERICH, PAYNE		STRINGTOWN WF	STE GEN		31-5N-14W		171		5		57
*3413 SKELLY OIL CO.		PETER VON ALMEN	STE GEN		31-5N-14W		324		59		242
SUMPTER E, WHITE											
4381 OEE DRILLING		BOND-HENDERSON	OHARA		20,29-4S-10E	50*	1137*	3.0*	58*	50*	622*
4420 OEE DRILLING		W CROSSVILLE S UNIT	OHARA		20,29,30-4S-10E	350*	2670*	19.1*	140**	350*	1210*
*4408 EAGLE SUPPLY CO		CARMI	AUX VASES		12-5S-9E		787**		292*		336*
			SPAR HTN								
4231 T. W. GEORGE EST.		SUMPTER E	AUX VASES		29,31,32-4S-10E/ 5,6-5S-10E	24	3930	7.5	308	47	1162
4425 HERTZING PROO. CORP.		CHERRY SHOALS UNIT	SPAR HTN								
4424 SLAGTER PRODUCING		W CROSSVILLE U	CYPRESS		17,20,21-4S-10E	48*	905*	2.6*	46**	48*	615*
			OHARA		20,29-4S-10E	250*	3175*	14.2*	174**	225*	1730*
SUMPTER N, WHITE											
4221 SHAKESPEARE OIL		SUMPTER NORTH U	AUX VASES		20,29-4S-9E	168	1910	6.9	137	91	617
4423 WARRIOR OIL CO.		MORRILL	AUX VASES		21-4S-9E	24	102	7.3	77	24	102
SUMPTER S, WHITE											
4430 FRMERS PETR COOP		SOUTH SUMPTER	TAR SPRINGS		34,35-4S-9E/2,3-5S-9E	275	356	24.4	98	40*	69*
4437 W. C. HCBRIOE		JOSEPH JACORS	TAR SPRINGS		34-4S-9E	76	258	3.9	12	44	125
*4345 SO. TRIANGLE CO.		SUMPTER SOUTH UNIT	AUX VASES		2,3-5S-9E		859		81		371
*4346 SO. TRIANGLE CO.		SUMPTER NORTH UNIT	AUX VASES		34,35-4S-9E		642		44		214
TAMAROA, PERRY											
3100 ILL. LSE. OP.		TAMAROA	CYPRESS		14,23-4S-1W	78*	2681*	4.8*	114*	78*	1929*
TAMAROA S, PERRY											
3101 N. A. SALLDRIOGE		BAGWELL	CYPRESS		28-4S-1W	40*	619*	2.7*	39*	40*	619*
THACKERAY, HAMILTON											
1551 MARATHON OIL CO.		THACKERAY 3-A	AUX VASES		10,11,15-5S-7E	535	12703	8.9	962	480	8207
1570 ROYALCO, INC.		W THACKERAY UNIT	AUX VASES		9,16-5S-7E	300*	2036*	13.3*	881*	300*	1324*
THOMPSONVILLE E, FRANKLIN											
*1302 C. E. BREHM		E THOMPSONVILLE	AUX VASES		12-7S-4E/7-7S-5E		362		136		1417
THOMPSONVILLE N, FRANKLIN											
*1305 BARBARA BRAGASSA		THOMPSONVILLE U	AUX VASES		10,15-7S-4E		1032*		125*		80*
1331 OUNCAN LSE+ROY		N THOMPSONVILLE U	AUX VASES		10-7S-4E	63	731	14.8	82		
*1304 FAIRFIELD SALV.		THOMPSONVILLE U	AUX VASES		3,9,10-7S-4E		1786		381		360
*1303 HUMBLE O AND R		N THOMPSONVILLE U	AUX VASES		3,9,10-7S-4E		2211		365		600
TONTI, MARION											
2634 LEIDERMAN ESTATE		TONTI FLOOD PROJ	HCCLOSKEY		33-3N-2E	150*	1560*	20.5*	194*	150*	2772*
2621 TEXACO, INC.			SENOIST			1270	11900**	66.1*	534**	2428	18722**
			AUX VASES								
			SPAR HTN								
			HCCLOSKEY								
*2622 TEXACO, INC.		M. HCHACKIN	SPAR HTN		34-3N-2E		109		1		109
2609 SAMUEL C. WILSON		BRANCH	SENOIST		4-2N-2E	150*	3141*	5.3*	198**	150*	2972*
			HCCLOSKEY								
TRUMBULL C, WHITE											
4362 ABBER OIL CO		TRUMBULL	CYPRESS		24-5S-8E, 18-5S-9E	25*	3398*	1.8*	272*	25*	356*
4297 AUTUMN OIL CO		R. SIMMONS	CYPRESS		25,26-5S-8E	150*	641*	10.6*	53*	150*	610*
4301 AUTUMN OIL CO		SEVEN MILE FLATS	OHARA		23,24-5S-8E	20*	733*	1.3*	45*	20*	552*
4367 COY OIL CO		TRUMBULL U	AUX VASES		13,14,23-5S-8E	650*	3602*	43.1*	430*	480*	1392*
			OHARA								
4429 OEE DRILLING		460-SOUTH	AUX VASES		14-5S-8E	+	+	2.9*	36*	90*	510*

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:	Type:	
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed	
SORENTO C, BOND													
7	592	14.0	17.6	175	33.0	11-69		4	2	70	PENN SAND (B)		*EST 72,73,76; +INACTIVE 74-76
* 5	1850	4.5	12.2	50	38.0	10-62	10-64	1	3	50	PENN SO, PROD (B)		*1964 DATA ESTIMATED
STAUNTON W, MACOUPIN													
2400	490	10.0			32.0	05-60		2	7	40	PRODUCED (B)		*NO DATA SINCE 1962
STEWARTSON, SHELBY													
3800	1750	20.0				09-59		1	17	160	PRODUCED (B)		*EST +INCL PRIM PROD
3801	1950	9.0				06-62		3	4	70	PRODUCED (B)		*ESTIMATED
	2035	10.0						2	2	40			
STORMS C, WHITE													
*4431	2350	15.0				06-58	12-71	2	8	100	PRODUCED (B)		*ESTIMATED
4204	2250	20.0				03-66		5	5	100	PENN SO, PROD (B)		
4438	2260	14.0				10-67		* 4		40			*ADJ TO ACTIVE WF, *ESTIMATED
4241	1319	9.0			28.0	04-63		1	1	20	TAR SPR, PROD (B)		
4240	2750	12.0	16.5	54	36.0	06-66		4	2	80	SH SO, PROD (M)		*ESTIMATED
4263	2240	10.0	19.0	250	34.0	03-56		73	41	1100	RIVER, PROD (M)		*ESTIMATED
	2980	15.0				01-64		17	18	350			
*4271	2240	15.0				07-51	06-53	1	2	40	PENN SO, PROD (B)		
4248	2275	15.0	18.4	173		06-64		3	3	75	PURCHASED (M)		*ESTIMATED
	2990	16.0	17.1	47				3	3	60			
4380	2250	12.0				03-69		1	7	90	PRODUCED (B)		*DATA EST; +INJECTION SUSP 1975
*4296	2550	6.0				06-60	01-66	5	5	100	SH SO, PROD (M)		
	2580	12.0						6	7	150			
4415	2250	22.0	19.5	225	34.8	07-67		5	12	200	PENN SO, PROD (M)		*ESTIMATED
4234	2250	19.0				07-66		9	11	280	RIVER GRAV, PROD (M)		
4399	2290	20.0	20.0	200	38.0	06-64		14	15	300	PENN SO, PROD (M)		
	2390	10.0	18.5	100				2	2	40			
	2980	15.0	18.0	30				13	14	280			
*4295	2100	10.0	18.0	150	34.8	08-60	01-71	3	3	120	PENN SO, PROD (B)		*INCL 4372
*4327	2100	10.0	18.0	150		08-60	12-64	1	1	20	SH SO, PROD (M)		
4366	1830	7.0	18.6	170		02-68		3	3	70	PRODUCED (B)		
*4372	1826	14.0	20.1	289	34.8	12-62	09-71	3	3	40	SH SO, PROD (M)		*INCL WITH 4295
4285	1480	27.0	20.0	200	34.0	12-68		3	1	40	SH SO (F)		*ESTIMATED
STRINGTOWN, RICHLAND													
*3411	3000	10.0	18.0			12-53	09-58	2	3	80	TAR SPRINGS (B)		
*3412	3026	7.0			38.0	10-54	12-57	2	2	70	CYPRESS, PROD (B)		
*3413	3002	12.0			36.0	12-53	12-63	1	2	80	PENN SO, PROD (B)		
SUMPTER E, WHITE													
4381	3140	18.0				02-66		3	7	70	PENN SO, PROD (B)		*ESTIMATED
4420	3150	11.0				04-70		3	12	220	GRAVEL & PROD (M)		*EST +INCL PRIM
*4408	3090	15.0				07-65	01-76	3	3	50	RIVER GRAV, PROD (M)		*INJ TERMINATED 1974; *ESTIMATED
	3165	8.0					12-66	1	1	20			
4231	3020	20.0	19.7	57	37.0	10-65		4	12	395	RIVER GRAV, PROD (M)		
	3100	10.0	10.5	15	37.0			4	7	140			
4425	2830	25.0				04-67		2	10	150	SH SO, PROD (M)		*EST +INCL PRIM
4424	3170	10.0				06-67		3	8	140	PENN SO, PROD (B)		*EST +INCL PRIM PROD
SUMPTER N, WHITE													
4221	3170	10.3				06-66		5	7	180	SH SO, PROD (M)		
4423	3175	20.0				11-58		1	3	40	PRODUCED (B)		
SUMPTER S, WHITE													
4430	2550	6.5	15.4	55	34.7	11-72		3	4	80	ONE WATER SUP WELL (F)		*ESTIMATED
4437	2550	10.0				3-74		2	1	20	PRODUCED (B)		
*4345	3240	10.7	19.0	55	36.2	09-63	07-70	5	4	100	SH SO, PROD (M)		
*4346	3240	11.7	19.0	55	36.2	10-63	07-70	4	3	70	PENN SO (F)		
TAMAROA PERRY													
3100	1140	10.0	24.3	349	31.5	12-61		3	4	180	PONO, PROD (M)		*ESTIMATED
TAMAROA S, PERRY													
3101	1125	12.0			27.6	01-62		1	4	60	PRODUCED (B)		*ESTIMATED
THACKERAY, HAMILTON													
1551	3368	15.0	24.0	270		04-64		9	6	420	CYP, PROD (B)		
1570	3350	16.0	20.3	174	39.2	12-69		3	6	120	CYPRESS (B)		*ESTIMATED 1976
THOMPSONVILLE E, FRANKLIN													
*1302	3200	18.0	21.1	98	38.0	07-54	01-71	3	3	60	PRODUCED (B)		
THOMPSONVILLE N, FRANKLIN													
*1305	3120	16.0	19.5	50	38.6	03-54	01-64	7	3	176	LAKE, PROD (M)		*NO DATA SINCE 1962
1331	3100	15.0				11-68		2	6	120	PENN SO, PROD (B)		
*1304	3020	15.0	21.0	115	37.0	01-56	12-64	7	7	236	LAKE, PROD (M)		
*1303	3075	25.0	22.0	170	37.5	10-55	04-62	5	5	100	CYP, PROD (B)		
TONTI, MARION													
2634	2152	10.0			36.0	02-67		1	4	50	PRODUCED (B)		*ESTIMATED SINCE 1970
2621	1940	18.0				05-75		2	3	80			*INCL ALL DAYS
	2010	20.0			36.0	05-75		2	4	120			
	2110	8.0	17.3	169		02-64		3	3	140			
	2140	18.0	14.1	196		02-64		6	3	140			
*2622	2108	8.0	17.3	169	36.0	03-64	12-65	1	2	30	PRODUCED (B)		
2609	1950	6.0			36.2	04-59		2	3	60	PRODUCED (B)		*EST; +INCL PRIM PROD SINCE 4-59
	2122	7.0						1	2	40			
TRUMBULL C, WHITE													
4362	2848	12.0	16.0	40	35.0	11-62		6	4	180	SH SO (F)		*ESTIMATED
4297	2800	8.0				06-65		1	2	30	PRODUCED (B)		*ESTIMATED
4301	3140	8.0				01-66		2	7	20	PRODUCED (B)		*ESTIMATED
4367	3150	11.0	18.0		38.4	01-71		6	19	300	SAND (M)		*ESTIMATED
	3200	16.0						1	5	60			
4429	3120	15.0				10-69		+	3	50			*ESTIMATED +ADJ TO A.V. WF



TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
TRUMBULL C, WHITE CONTINUED											
4429	OEE DRILLING		MCCLOSKEY			90*	510*				
4336	FEAR AND DUNCAN	MOORE-NIBLING UNIT	MCCLOSKEY	7-5S-9E		*	*	1.7+	32+	30+	400+
TRUMBULL N, WHITE											
*4406	SHULMAN BROTHERS	STOCKE	AUX VASES MCCLOSKEY	24-4S-8E			36		1		5
VALIER, FRANKLIN											
1324	EBER MCKENOREE	RHEN-REA	AUX VASES	8-6S-2E		52*	249*	3.4*	53**	52*	249*
WALPOLE, HAMILTON											
1532	HERMAN GRAHAM	WALPOLE WEST U	AUX VASES	28,33-6S-6E		70*	2131*	3.2*	292*	70*	1229*
*1518	TEXACO, INC.	WALPOLE UNIT	AUX VASES	22,26,27,34,35-6S-6E			21248		2342		11723
*1546	TEXACO, INC.	WALPOLE EAST UNIT	AUX VASES	26,35-6S-6E			1225		170		588
1573	TEXACO, INC.	WALPOLE STE,GEN UNIT	SPAR MTN MCCLOSKEY	26,27-6S-6E		281	1085	29.2	152	207	549
*1517	UNIVERSAL OPRYNG	WALPOLE UNIT	AUX VASES	3-7S-6E			1486		79		977*
WAMAC, CLINTON, MARION, WASHINGTON											
*2610	MINERAL REC, INC	WAMAC WATERFLOOD	PETRO	19,30-1N-1E			4		7		11
*2611	DEWEY STINSON	WAMAC UNIT	PETRO	19,30-1N-1E			531		35		221
WAMAC W, CLINTON											
4021	G. JACKSON	JACKSON,MARCON=MOOGES	CYPRESS	29-1N-1W		75*	1540*	4.4**	79**	75*	1540*
414	JET OIL CO.	WAMAC W, BENOIST U	BENOIST	22-1N-1W		260*	5669*	8.8*	540**	250*	4247*
418	JET OIL CO.	WAMAC W CYPRESS U	CYPRESS	20,21-1N-1W		80*	504*	15.3*	244*	25*	168*
WEST FRANKFORT C, FRANKLIN											
*1307	CONYERS OIL WELL	MORN-DIMONO 'B'	OHARA MCCLOSKEY	24,25-7S-2E			613*		100*		467*
*1301	FARRAR OIL CO.	W FRANKFORT U	TAR SPRINGS	18,19-7S-3E			4792		561		3021
*1308	FARRAR OIL CO.	ORIENT U	TAR SPRINGS	12-7S-2E			476		29		444
1313	KILLION MCCLEM.	TEW-SINKS	AUX VASES	19,20,29-7S-3E		248	1843	*	344*	70	629
*1322	KILLION MCCLEM.	BONER-MERRIMAN U	AUX VASES	31-7S-3E			287		60		49
1333	KILLION MCCLEM.	SW FRANKFORT U	TAR SPRINGS	24,25-7S-2E/ 19,30-7S-3E		303	1284	19.6	107	90	467
1342	KILLION MCCLEM.	RANSON LEASE	AUX VASES	29-7S-3E		3	3	1.6	2	1*	1*
1336	RK PET, CORP.	W FRANKFORT U	AUX VASES	1-7S-2E/6-7S-3E		72*	341*	17.2*	82*	72*	262*
*1340	S AND M OIL CO.	GARDNER-DIAMOND	OHARA	13,24-7S-2E			350*		19*		350*
*1315	TEXAS AMERICAN	POND CREEK	TAR SPRINGS	25-7S-2E			1031		151		336
WEST SEMINARY, CLAY											
* 346	SHULMAN BROTHERS	WEST SEMINARY UNIT	AUX VASES MCCLOSKEY	5,6,8-2N-7E			4701		378		2636
WESTFIELD, CLARK, COLES											
221	ASHLEY OIL CO.	WESTFIELD TRENTON U	TRENTON	5,6,7,8,17,18-11N-14W		342	342	15.0	15	21	21
* 231	ASHLEY OIL CO.	SHERWOOD STEAM FLOOD	CASEY GAS	32-11N-14W			1*		1		6
* 200	FOREST OIL CO.	WESTFIELD POOL	WESTFIELD	17-11N-14W			3956		15		
* 222	FOREST OIL CO.	PARKER	CASEY GAS	30-11N-14W			663		34		
* 502	GEN. OPERATIONS	JOHNSON	CASEY GAS	7,18,19-11N-11E 18-11N-14W 4-11N-14W			205		13		75
224	SHAW LSE DEV	APEX	PENN				24*	*	1*		
WESTFIELD E, CLARK											
206	JUDITH NEUMAN	MORRILL	PENNSYLVNIN	12-11N-14W		43	443*	3.3	48*	36	286*
WHITTINGTON, FRANKLIN											
1337	CONTINENTAL OIL	SE WHITTINGTON	CYPRESS OHARA MCCLOSKEY	21,28,29,32,33-5S-3E		270	1191	15.5	109	217	687
1329	T. W. GEORGE EST.	WILCOX	MARIONSBURG CYPRESS	20,29-5S-3E		2*	170*	0.4*	22*	2*	80*
1338	H & W OIL CO	STEEL-LAKE	CYPRESS	19-5S-3E		175*	749*	15.0*	77*	175*	800*
1341	M & W OIL CO	WHITTINGTON SOUTH U	MARIONSBURG	29,30-5S-3E		300*	1075*	20.3*	100*	300*	900*
1334	H & W OIL CO	WHITTINGTON	MARIONSBURG CYPRESS	20-5S-3E		280*	1253*	10.7*	89*	190*	490*
WHITTINGTON W, FRANKLIN											
*1312	KEWANEE OIL CO.	PLAINS	RENAULT	1,2,11,12,14-5S-2E			3375		363		1137
WILBERTON, FAYETTE											
1246	W. L. BELDEN	ST PETER AREA	CARPER	11,12,13-5N-2E/ 7,17,18,19-5N-3E		289	11736	42.1**	869**	589*	9025*
WILLIAMS C, JEFFERSON											
2019	N. A. BALORIDGE	WILLIAMS SOUTH UNIT	AUX VASES	10,11-3S-2E		35+	1875+	1.5*	522**	35+	1093+
2028	WALTER DUNCAN	MOOGES	BENOIST AUX VASES	2-3S-2E		15*	430*	1.9*	26*	15*	430*
WOBURN C, BOND											
* 4	E. E. JENNEMAN	SPINOLER LSE	BENOIST	10-6N-2W			194		11*		194
3	TROOP DRILLING	BLANKENSHIP AREA	DEVONIAN	34-7N-2W		60+	198**	7.5*	36**	60+	390**
WOODLAWN, JEFFERSON											
2005	W. C. MCBRIE	HOPPA	CYPRESS	2-3S-1E		449	1937	13.9	167	451	1590
2024	MOBIL OIL CORP.	KAMINSKI ESTATE	BENOIST	2-3S-1E		176	1245	13.5	322	162	1363
*2023	TEXACO, INC.	WALKER 7	CYPRESS BENOIST	2-3S-1E			255		5		177
YORK, CLARK, CUMBERLAND											
* 706	C. KEYSER	CUMBERLAND UNIT	ISABEL	1-9N-10E			37				3
* 703	TRANS-SOUTHERN	YORK	ISABEL	6-9N-11E			604		20		290



Field, County  Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source:		Type:
								Inj.	Prod.		SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
TRUMBULL C, WHITE CONTINUED													
*429	3230	8.0						1	2	30			
*4336	3283	5.0	12.8	136	37.0	11-61		*	1	40	TAR SPR, PROD (B)		*O,F,,UNKNOWN *ESTIMATED
TRUMBULL N, WHITE													
*4406	3320	10.0			36.0	09-65	09-66	1	1	20	CYPRESS (B)		
	3468	7.0						1	1	40			
VALIER, FRANKLIN													
1324	2670	8.0			39.2	11-64		1	1	70	PRODUCED (B)		*ESTIMATED; *INCL PRIM PROD
WALPOLE, HAMILTON													
1532	3200	15.0	22.1	190	39.0	07-62		4	4	160	PENN SO, PROD (B)		*ESTIMATED
*1518	3100	15.4	18.3	106	36.2	12-60	04-69	14	19	1640	PENN SO, PROD (B)		
*1546	3100	17.0	15.4	18	36.7	09-63	01-69	4	3	160	PENN SO, PROD (B)		
1573	3200	12.0	12.0		37.6	03-73		4	3	280	PROD SUPPLY (B)		
	3250	18.0	10.0					4	3				
*1517	3180	18.0	20.3	134	37.4	01-60	09-66	4	3	80	PENN SO, PROD (B)		*EST FOR 1964-1966
WAMAC, CLINTON, MARION, WASHINGTON													
*2610	765	18.0	21.3	220	35.0	05-54	10-65	6	15	120	CITY WATER (F)		
*2611	750	20.0	20.3	183	30.0	07-57	12-60	6	13	50	CITY WATER (F)		
WAMAC W, CLINTON													
4021	1300	7.5				11-66		1	5	70	PRODUCED (B)		*EST, *INCL, PRIM PROD SINCE 1966
414	1450	18.6				11-62		5	9	140	LAKE, PROD (M)		*INCL PRIM PROD SINCE 11-62 *EST
418	1290	8.8				10-65		3	6	90	PENN SO, PROD (B)		*ESTIMATED
WEST FRANKFORT C, FRANKLIN													
*1307	2760	10.0	15.0	205	38.0	07-59	12-72	1	2	60	PRODUCED (B)		*ESTIMATED SINCE 1967
	2845	7.0						1	2	60			
*1301	2050	31.3	17.1	155	40.3	11-57	07-65	6	6	141	CYPRESS, PROD (B)		
*1308	2050	12.1			40.1	09-59	12-63	4	3	70	CYPRESS, PROD (B)		
1313	2730	12.0			38.0	09-62		2	1	120	LAKE, PROD (M)		*INACTIVE, SWD ONLY 1973-76
*1322	2750	12.0			38.0	08-65	12-73	2	2	70	PENN SO, PROD (B)		
1333	2050	40.0			38.0	02-71		3	23	60	LAKE & PROD (M)		
	1342	2735	40.0		38.0	12-76		1	6	60	LAKE (F)		*EST
1336	2720	8.0				10-71		1	3	40	LAKE (F)		*ESTIMATED 1976
*1340	2750	11.0				11-66	10-72	4	10	210	PRODUCED (B)		*ESTIMATED-NO DATA RECEIVED
*1315	2060	10.0	17.1		38.0	08-62	12-67	2	3	70	PRODUCED (B)		
WEST SEMINARY, CLAY													
*346	2970	9.0	19.0		37.2	03-64	12-68	15	8	290	PENN SO, PROD (B)		
	3080	9.0						4	5	180			
WESTFIELD, CLARK, COLES													
221	2350	60.0	4.0		39.0	01-75		13	37	1000			
*231	250	20.0	20.0	250	25.0	02-64	04-64	2	1	10	CITY WATER (F)		*ONE TON OF STEAM, STEAM SOAK
*200	290	15.0	19.0	17	34.0	01-66	03-70	20	9	30	GRAVEL BED (F)		
*222	270	25.0	17.9	153	28.1	06-50	04-61	9	12	20	GRAVEL BED (F)		
*502	320	35.0	21.5	86	29.0	06-51	12-62	30	14	60	LAKE, PROD (M)		
224	340	60.0			34.8	03-67		6	5	40	CARPER, WELL (M)		*NO DATA SINCE 1968
WESTFIELD E, CLARK													
206	370	20.0	22.0	400	34.9	01-66		4	10	60	PRODUCED (M)		*ESTIMATED
WHITTINGTON, FRANKLIN													
1337	2500	8.0				10-71		1	5	60	LAKE, PROD (M)		
	2810	8.0						2	9	160			
	2900	5.0						2	9	160			
1329	2300	10.0				09-67	12-68	1	1	40	LAKE, PROD (M)		*ESTIMATED 1976
	2530	10.0				07-64		3	3	50			
1338	2530	10.0				12-71		2	4	60	PRODUCED (B)		*ESTIMATED
1341	2300	10.0				07-72		4	12	180	PRODUCED (B)		*ESTIMATED
1334	2300	10.0				08-71		3	6	90	PRODUCED (B)		*ESTIMATED 1976
	2500	8.0						3	6	90			
WHITTINGTON W, FRANKLIN													
*1312	2675	10.0	13.0	13	38.0	02-61	05-67	7	8	270	PENN SO, PROD (B)		
WILBERTON, PAYETTE													
1246	3250	25.0				10-65		18	33	1000	BENOIST, PROD (B)		*EST *INCL PRIM PROD
WILLIAMS C, JEFFERSON													
2019	2555	11.0	17.6	50	37.0	10-64		2	3	119	PENN SO, PROD (B)		*PARTIAL WF SINCE 1-53
													DATA SINCE 10-64; *ESTIMATED
2028	2500	7.0				06-67		1	1	20	PRODUCED (B)		*ESTIMATED
	2550	10.0						1	1	20			
WOBURN C, BONO													
*4	1006	14.0				09-51	08-56	1	4	30	PRODUCED (B)		
3	2260	20.0			35.5	11-67		1	2	40	PRODUCED (B)		*TEMP ABO 1972-75; *ESTIMATED 76
WOODLAWN, JEFFERSON													
2005	1760	10.0				09-68		2	5	20	PRODUCED (B)		
2024	1950	17.0				10-64		1	3	40	PRODUCED (B)		
*2023	1790	10.0	14.0	225	35.9	03-64	12-65	1	2	40	PRODUCED (B)		*OISC AS WF, SWD ONLY
	1950	27.0						1	2	40			
YORK, CLARK, CUMBERLAND													
*706	556	11.0	17.8	80	33.8	06-61	12-63	1	2	30	PENN SO (B)		
*703	590	10.0	21.9	231	30.3	10-50	12-58	3	7	15	PRODUCED (B)		

TABLE 11. Waterflood operations

Field, County  Project no. * = ABD. + = P. M.	General information				Production and injection statistics (M bbl)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
ZEIGLER, FRANKLIN 1316 V. R. GALLAGHER 1320 V. R. GALLAGHER	BEND LEASE PLUMFIELD U	AUX VASES AUX VASES	20-73-2E 13,24,25-73-1E/ 18-73-2E		30+ 192+	234 3782+	11.7+ 13.2+	236+ 1877+*	24+ 175+	34 1653+
ZENITH E, WAYNE *4090 NAPCO	DURKEE	SPAR MTN	4-1N-6E			390		71		511
ZENITH N, WAYNE *4150 T. W. GEORGE EST. *4137 MOBIL OIL CORP.	ZENITH N MCGREW ZENITH N FIELD U	SPAR MTN SPAR MTN	21-2N-6E 21-2N-6E			112 501		9 58		130 206

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
Project no.								Inj.	Prod.			
ZEIGLER, FRANKLIN												
1316	2620	12.0	21.5	75	38.9	10-68		1	2	40	PENN SAND, PROD. (B)	*INCL PRIM PROD SINCE 10-68 *EST
1320	2650	15.0	21.5	75	38.9	02-65		6	16	380	PENN SD, PROD (B)	*SINCE POOL DISCOVERY 7-12-63 *ESTIMATED 1976
ZENITH E, WAYNE												
*4090	3180	8.0				02-67	12-72	2	10	20	PRODUCED (B)	
ZENITH N, WAYNE												
*4150	3100	15.0	14.0		38.0	08-68	12-70	2	5	90	PENN SD (B)	
*4137	3100	12.9	15.3		38.0	03-59	02-68	2	4	140	CYP, PROD (B)	

TABLE 12. Illinois waterfloods for 1976 by counties

County	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Producers	Subject to injection	Total productive	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Bond	4	3	19	27	360	560	87	2,228	12.1	190	87	1,341
Christian	7	0	48	99	2,600	4,660	1,626	39,925	160.1	5,126	1,336	19,680
Clark	8	20	595	587	4,939	12,437	1,070	199,018	53.4	9,416	582	80,259
Clay	44	40	503	728	20,998	23,008	11,220	256,741	576.0	25,684	9,073	147,524
Clinton	15	6	295	370	7,284	7,550	4,437	80,031	219.6	17,055	3,897	149,185
Coles	11	13	193	258	5,595	5,825	1,481	70,434	68.6	5,585	1,481	34,625
Crawford	60	47	1,641	1,937	23,725	29,399	23,632	973,596	806.4	55,626	20,474	510,609
Cumberland	5	3	474	510	2,448	2,479	2,681	108,948	114.4	13,813	2,702	23,439
Douglas	0	3	34	56	1,220	1,310	0	12,532	0.0	1,631	0	1,977
Edgar	5	0	7	37	330	310	363	2,478	62.6	558	363	2,478
Edwards	22	16	133	256	6,786	7,575	4,270	108,267	226.4	12,721	3,384	63,819
Effingham	18	4	108	209	4,545	5,123	4,326	64,996	277.3	7,461	3,175	40,942
Fayette	47	8	1,728	1,833	40,013	40,769	57,043	1,388,449	2,225.1	184,406	49,168	907,628
Franklin	28	15	266	370	9,693	10,584	4,457	282,935	291.3	30,869	3,482	192,654
Gallatin	28	26	423	574	11,369	12,456	4,080	144,730	288.5	20,619	3,222	56,182
Hamilton	28	48	656	818	27,176	27,811	14,852	465,611	434.6	36,699	14,925	286,796
Jasper	13	15	152	302	10,617	11,270	4,678	94,950	328.7	7,237	3,454	44,027
Jefferson	16	13	124	205	9,500	9,853	5,844	193,628	338.1	25,147	4,976	129,409
Lawrence	92	27	2,484	2,806	29,098	31,447	40,604	911,874	2,737.7	98,843	37,428	630,799
Macon	0	1	1	2	80	80	0	6	0.0	0	0	4
Macoupin	1	0	2	7	40	40	0	16	0.0	1	0	2
Madison	7	3	42	71	1,722	2,544	1,144	16,188	43.1	1,071	987	10,498
Marion	28	11	516	601	32,957	41,237	99,627	1,928,483	2,723.2	124,983	89,263	1,356,248
Montgomery	0	1	2	2	20	40	0	38	0.0	6	0	15
Perry	2	0	4	8	240	320	118	3,300	7.5	153	118	2,548
Richland	24	24	225	395	16,680	16,750	9,540	253,751	303.5	15,920	8,654	600,227
Saline	16	11	106	194	4,250	4,750	5,303	81,093	166.2	7,576	2,377	32,625
Shelby	3	0	9	28	600	630	416	4,768	25.7	863	416	4,268
Wabash	81	60	823	1,063	20,453	22,962	10,755	335,674	634.2	40,039	8,165	153,095
Washington	22	2	77	206	3,759	4,026	4,793	83,828	271.3	10,482	4,145	77,080
Wayne	80	56	972	1,235	56,908	61,601	23,820	660,761	1,088.5	57,996	17,664	338,716
White	141	100	1,927	2,417	53,463	59,179	35,067	897,513	2,228.4	93,920	26,859	470,479
Williamson	5	0	11	32	999	1,149	725	3,394	98.2	729	364	523
TOTALS	857	576	14,600	18,243	410,467	459,734	378,059	9,670,184	16,810.7	912,425	322,221	5,969,701

\*Acreage data are incomplete in a few counties.

\*\*Projects not reporting in 1976 are included as of last reporting date.

†Not all projects reported produced water.

‡Includes 1 active pressure maintenance project.

††Includes 1 abandoned pressure maintenance project.



TABLE 13. Illinois oil fields having active waterfloods during 1976

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production+ (M bbl)	
			Water input	Producers	Subject to injection	Total in production	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Aden C	2	2	41	37	3,380	3,940	468	48,734	24.0	3,280	468	32,756
Akin	4	1	11	29	510	510	83	3,508	7.2	498	43	733
Albion C	19	10	121	221	5,120	5,714	4,058	107,430	166.3	12,211	2,906	61,722
Albion E	1	0	6	18	420	420	145	710	47.8	201	145	670
Allendale	17	19	130	175	2,693	3,133	1,459	83,342	72.3	6,881	808	30,049
Ashley	1	0	4	14	180	180	190	3,670	9.8	240	190	3,670
Ashley E	1	0	2	4	60	60	75	775	4.9	50	75	775
Assumption C	5	0	27	49	1,670	1,930	1,122	38,050	58.8	4,865	832	18,173
Barnhill	2	5	36	52	900	1,050	0	16,477	2.3	2,013	14	3,829
Bartelso	1	2	22	27	320	320	65	6,694	3.8	1,145	65	4,673
Beaucoup	1	0	3	2	280	367	18	1,173	1.0	15	18	650
Beaucoup S	2	0	8	11	257	257	634	9,311	12.9	454	409	7,741
Beaver Creek	1	1	2	5	60	90	17	396	1.2	39	17	279
Beaver Creek S	2	0	4	15	180	180	150	2,077	10.4	290	150	2,031
Bellair	2	1	106	130	717	747	595	94,776	28.8	2,656	595	41,777
Belle Prairie	1	0	1	3	80	80	60	960	3.7	64	60	960
Beman	1	1	6	9	280	280	70	1,126	7.4	62	70	811
Benton	2	0	105	53	3,390	3,390	1,546	228,306	48.3	21,134	1,265	166,946
Benton N	2	1	30	47	910	1,100	55	8,317	3.9	1,316	73	3,956
Berryville C	1	2	4	6	241	320	220	1,542	8.0	395	180	830
Bone Gap C	2	0	2	12	220	270	159	3,117	11.5	591	159	2,799
Boyd	2	0	7	18	2,133	2,133	300	76,627	10.0	4,311	300	46,629
Brown	1	0	1	3	40	40	22	498	2.6	39	11	440
Browns	3	0	23	26	930	950	180	5,422	29.0	693	144	1,635
Browns E	1	3	31	33	673	1,010	80	5,035	0.7	1,507	40	1,705
Bungay C	7	5	53	91	2,510	2,640	768	42,983	45.1	3,999	781	28,128
Calhoun S	1	0	1	3	20	200	50	562	10.0	143	50	262
Carlyle N	1	0	1	7	80	100	60	938	3.5	91	60	361
Carmi	1	0	1	2	60	60	25	270	2.5	76	25	174
Centerville	1	1	2	2	40	40	10	402	0.5	16	10	144
Centerville E	4	1	98	104	2,161	2,161	894	36,879	51.1	3,571	894	26,887
Central City	1	0	1	5	60	60	32	305	2.2	24	32	305
Centralia	5	2	218	226	4,704	4,824	2,885	41,363	104.2	12,071	2,410	122,610
Clay City C	95	49	1,109	1,565	64,008	67,865	32,853	732,907	1,478.9	58,373	24,226	428,612
Coil	2	0	9	8	330	330	428	5,837	54.2	1,087	358	2,566
Coil W	1	2	9	13	285	310	120	2,462	8.1	277	56	1,126
Concord C	3	11	61	73	1,673	1,910	135	23,852	13.3	2,432	139	13,025
Cordes	2	0	20	30	1,115	1,115	1,026	31,566	63.6	6,533	1,023	34,934
Corinth	1	0	1	4	90	180	72	87	9.4	21	0	0
Dale C	18	36	544	687	21,536	21,751	12,881	382,827	339.2	27,873	12,988	233,990
Deering City	1	0	1	4	50	50	30	479	1.9	118	30	399
Divide C	4	1	21	39	1,455	1,455	2,570	31,707	63.9	1,850	1,888	21,715
Dubois C	3	1	10	30	380	500	200	2,435	12.4	268	200	1,776
Dudley	5	0	7	37	330	310	363	2,478	62.6	558	363	2,478
Edinburg W	1	0	5	20	230	230	4	1,055	11.3	144	4	687
Eldorado C	6	4	43	70	2,090	2,260	2,225	50,438	90.6	4,422	1,164	20,383
Energy	1	0	1	9	130	130	360	587	9.6	68	360	488
Exchange N C	1	0	4	9	280	280	344	2,338	9.5	459	140	852
Exchange W	1	0	2	10	150	150	68	838	12.2	149	26	289
Frogstown N	1	0	3	8	140	140	0	0	10.1	65	0	0
Gard's Point	2	0	2	11	220	260	205	1,105	16.2	107	205	870
Germantown E	1	0	2	13	300	300	172	4,323	12.0	1,201	172	4,323
Goldengate C	4	12	127	119	4,569	4,910	451	33,712	37.2	2,846	451	12,836
Goldengate N C	1	0	4	5	100	100	93	663	5.8	84	46	170
Half Moon	2	0	13	19	1,110	1,360	357	12,382	20.9	912	251	5,114
Harco	2	0	8	16	310	310	412	3,852	20.5	274	380	1,827
Herald C	14	10	108	165	3,541	4,421	1,674	37,617	126.6	4,777	1,326	15,207
Hill E	2	1	5	27	380	380	40	8,340	3.7	499	40	6,255
Hord	1	0	2	3	50	70	14	172	2.2	37	14	107
Ingraham	1	1	10	22	437	692	34	2,640	8.4	830	2	1,547
Inman E C	5	5	201	225	4,330	4,465	605	61,582	41.8	9,743	625	18,413
Inman W C	13	6	113	141	2,740	2,870	1,404	28,861	97.6	2,917	1,032	14,237
Iola C	9	3	124	188	3,490	3,510	3,967	56,917	176.0	3,659	2,888	36,940
Irvington	6	0	14	74	970	1,010	1,531	18,360	83.0	1,538	1,531	17,805
Iuka	1	0	1	3	270	270	0	0	5.4	92	23	462

128      TABLE 13. Illinois oil fields having active waterfloods during 1976 - continued

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Pro-ducers	Subject to injection	Total in production	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Johnson N	2	4	136	140	764	1,045	390	33,967	19.3	2,469	390	21,830
Johnson S	2	2	92	104	1,343	1,343	220	114,361	11.9	3,261	60	33,211
Johnsonville C	6	2	118	143	12,200	12,460	6,188	166,886	290.9	14,239	6,184	105,031
Johnsonville W	2	2	11	19	520	620	425	6,182	23.8	856	293	2,436
Johnston City E	2	0	8	15	260	320	289	2,685	71.2	502	0	0
Johnston City NE	1	0	1	4	519	519	4	35	8.0	138	4	35
Junction E	1	0	2	4	80	80	110	695	5.7	51	110	501
Junction N	1	0	1	3	40	70	10	466	0.6	28	10	39
Keensburg S	2	1	9	14	280	450	410	6,125	25.3	546	386	3,353
Kincaid C	1	0	16	30	700	2,500	500	820	90.0	117	500	820
King	2	2	8	14	360	360	118	3,515	12.1	394	118	2,027
Lancaster	3	0	27	45	840	1,015	336	7,496	24.9	1,890	245	2,097
Lancaster S	1	0	2	6	80	80	22	633	1.2	117	22	276
Lawrence	56	18	2,410	2,708	27,005	29,035	39,805	890,784	2,668.7	96,235	36,689	619,255
Lawrence W	1	1	12	19	447	447	150	1,371	14.9	201	150	465
Lexington	1	0	2	1	50	280	170	2,467	7.3	61	170	635
Lillyville	1	0	3	6	160	160	130	2,161	8.6	287	65	707
Livingston S	3	0	8	22	310	310	182	2,113	13.6	214	171	1,219
Locust Grove	1	0	1	2	20	20	15	399	1.1	25	15	150
Louden	40	7	1,688	1,723	37,770	38,036	54,504	1,345,264	2,055.3	180,607	46,384	870,833
Main C	42	46	1,535	1,807	23,008	28,652	23,037	878,820	777.6	52,970	19,879	468,832
Maple Grove C	2	3	13	30	780	870	110	2,629	5.3	428	110	1,929
Marine	1	0	3	7	240	964	280	1,804	3.2	25	280	1,736
Mason N	1	0	3	4	130	130	35	2,317	2.6	169	35	2,353
Mattoon	10	7	135	196	4,445	4,525	1,407	59,328	66.3	4,870	1,407	28,248
Mattoon N	1	0	4	9	130	130	74	1,570	2.3	160	74	1,430
Maunie N C	4	4	60	74	1,440	2,470	230	15,866	12.1	2,632	202	7,691
Maunie South C	2	4	69	64	1,444	1,450	520	24,467	47.7	3,172	521	16,416
Miletus	1	0	1	1	20	20	25	246	1.8	14	25	241
Mill Shoals	9	5	56	73	2,312	2,493	1,547	36,957	59.3	2,678	1,246	17,809
Mode	1	0	3	5	330	350	35	496	1.6	334	35	506
Montrose	1	0	1	1	40	40	0	103	0.2	11	0	9
Mt. Carmel	16	16	143	215	4,455	4,722	1,957	48,671	140.2	5,549	1,653	26,089
New Harmony C	71	41	1,050	1,252	26,394	27,330	15,344	447,371	1,113.4	60,368	12,742	219,653
New Haven C	2	3	22	31	798	1,050	75	3,960	17.4	1,365	59	896
New Memphis	1	0	3	23	580	640	715	6,735	41.8	324	715	4,415
Oakdale N	1	0	4	7	290	290	76	1,268	3.5	332	79	1,126
Oak Point	1	1	22	18	300	340	75	4,025	3.9	205	75	3,712
Odin	1	0	14	22	230	290	46	8,080	0.8	1,322	50	50
Old Ripley	1	0	10	11	110	110	10	1,218	2.4	94	10	395
Olney C	1	8	33	44	2,238	2,418	114	17,713	4.1	1,584	114	11,006
Omaha	5	2	30	86	1,731	2,198	1,467	21,737	105.9	4,661	961	11,630
Omaha W	1	0	1	7	100	100	1,983	1,703	12.7	136	280	1,778
Orchardville	1	0	1	3	40	160	24	371	5.1	106	0	0
Orient	1	0	1	3	40	40	55	378	7.9	191	20	116
Oskaloosa	1	1	15	10	596	596	45	2,223	2.6	1,352	45	4,100
Passport	3	0	8	9	605	605	48	13,899	6.5	860	51	7,754
Patoka	3	2	89	90	1,713	1,713	498	88,264	24.3	9,016	498	69,776
Patoka E	2	1	12	29	340	540	850	10,401	39.4	770	581	7,223
Patoka S	3	0	35	46	860	980	480	13,314	44.8	1,437	480	7,981
Phillipstown C	22	15	174	305	5,299	6,611	4,248	52,067	418.9	8,165	2,984	29,140
Phillipstown S	1	0	2	3	60	60	10	590	0.3	144	10	179
Raccoon Lake	1	1	6	10	290	370	157	5,557	7.9	257	425	6,257
Raleigh	1	2	22	19	440	590	85	6,947	4.9	1,278	85	1,636
Raleigh S	3	1	8	10	310	490	226	5,063	13.9	396	160	2,787
Richview	5	0	13	34	427	467	1,044	14,847	79.7	1,304	624	8,037
Rochester	3	0	17	23	400	480	571	22,999	7.1	1,515	231	7,971
Roland C	18	13	400	521	11,680	12,840	10,239	181,379	400.2	17,627	6,434	86,751
Ruark	1	0	1	2	56	100	72	828	4.4	144	72	314
Ruark W	2	1	20	19	420	420	173	6,283	9.0	738	214	3,848
St. Francisville	1	2	5	7	140	150	0	908	0.0	29	0	318
St. Jacob	3	0	18	24	852	950	682	12,063	26.3	801	536	7,543
St. James	7	1	26	83	1,443	1,753	2,315	32,220	131.0	3,048	2,260	28,041
Ste. Marie	1	3	6	29	760	820	10	4,162	1.2	311	10	849
Sailor Springs C	34	20	208	326	8,495	9,503	7,533	128,471	386.4	16,473	6,092	74,664

TABLE 13. Illinois oil fields having active waterfloods during 1976 - concluded

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Producers	Subject to injection	Total in production	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Salem C	11	2	348	367	30,862	38,827	97,520	1,838,652	2,690.1	126,507	86,116	278,521
Schnell	1	0	1	1	103	103	20	855	1.0	39	1	324
Sesser C	5	1	28	63	1,410	1,550	698	11,712	78.7	2,032	683	5,991
Shattuc	1	0	5	10	150	150	50	1,000	9.7	151	50	495
Siggins	3	3	588	605	2,797	2,928	2,551	129,932	105.6	16,225	2,637	43,572
Sorento C	1	1	5	5	120	190	0	222	1.0	10	0	83
Staunton W	1	0	2	7	40	40	0	16	0.0	1	0	2
Stewardson	2	0	6	23	270	280	381	4,272	24.1	529	381	3,762
Storms C	12	6	177	171	3,695	4,140	4,313	177,785	219.9	7,046	4,169	110,264
Sumpter E	5	1	23	60	1,185	1,230	722	12,604	46.4	1,018	720	5,675
Sumpter N	2	0	6	10	220	418	192	2,012	14.2	214	115	719
Sumpter S	2	2	14	12	270	310	351	2,115	28.3	235	84	779
Tamaroa	1	0	3	4	180	260	78	2,681	4.8	114	78	1,929
Tamaroa S	1	0	1	4	60	60	40	619	2.7	39	40	619
Thackeray	2	0	12	12	540	540	835	14,739	22.2	1,843	780	9,531
Thompsonville N	1	3	21	21	632	726	63	5,760	14.8	953	0	1,040
Tonti	3	1	18	24	660	710	1,570	16,710	91.9	927	2,728	24,575
Trumbull C	6	0	17	43	710	780	935	8,884	61.4	868	795	3,820
Valier	1	0	1	1	70	70	52	249	3.4	53	52	249
Walpole	2	3	34	35	2,320	2,380	351	27,175	32.4	3,035	277	15,066
Wamac W	3	0	9	20	300	300	415	7,713	28.5	863	350	5,955
West Frankfort C	4	6	27	61	961	1,371	626	11,020	38.4	1,455	233	6,026
Westfield	2	4	80	78	1,160	7,850	342	5,191	15.0	79	21	102
Westfield E	1	0	4	10	60	60	43	443	3.3	48	36	286
Whittington	5	0	21	55	890	890	1,027	4,438	61.9	397	884	2,957
Wilberton	1	0	18	33	1,000	1,180	289	11,736	42.1	869	589	9,025
Williams C	2	0	4	5	159	212	50	2,305	3.4	548	50	1,523
Woburn C	1	1	2	6	70	170	60	392	7.5	47	60	584
Woodlawn	2	1	5	12	140	200	625	3,437	27.4	494	613	3,130
Zeigler	2	0	7	18	420	420	222	4,016	24.9	2,113	199	1,687

\*Acreage data are incomplete in a few fields.

\*\*Projects not reporting in 1976 are included as of last reporting date.

†Not all projects reported produced water.

TABLE 14. Summary of waterflood statistics, 1949-1976

Year	No. of active projects	Water injection (M bbl)		Reported waterflood oil production (M bbl)		Estimated dump flood production (M bbl)		Total oil prod. (M bbl)	Waterflood oil prod. % of total prod.**	No. wells in flood projects		Subjected to inj.	Total	% of total acreage under flood	Cumulative waterflood oil recovery per acre subjected to injection	Cumulative injected water/produced oil
		Annual	Cumulative*	Annual	Cumulative*	Annual	Cumulative*			Inj.	Prod.					
1949	33	20,612	50,983	2,511	10,313	1,500	5,000	64,501	6.2	946	1,055	8,450	375,985	2.2	1,230	4.9
1950	63	44,053	99,040	3,107	13,826	1,500	6,500	62,028	7.4	1,097	1,197	14,123	397,685	3.6	979	7.2
1951	84	57,147	148,279	6,672	21,890	1,500	8,000	60,244	13.4	1,620	5,230	17,646	412,050	4.3	1,241	6.8
1952	131	72,951	221,078	8,752	29,000	2,000	12,000	60,071	17.9	2,160	5,114	31,330	425,025	7.4	926	7.6
1953	167	118,409	335,727	10,086	39,800	2,250	14,600	59,025	20.9	2,849	5,298	37,854	434,100	8.7	1,051	8.4
1954	232	176,012	512,202	15,985	55,687	2,129	17,900	67,000	27.0	3,597	6,686	59,027	500,130	11.8	943	9.2
1955	284	224,579	745,573	24,585	81,131	1,978	19,800	81,131	32.7	4,407	7,163	72,832	521,200	14.0	1,114	9.2
1956	333	271,270	1,014,900	29,600	111,700	1,700	21,500	82,314	38.0	5,307	7,687	92,350	539,315	17.1	1,210	9.1
1957	382	295,750	1,310,000	35,442	147,142	1,750	23,250	76,649	48.5	5,734	7,814	112,000	550,305	20.4	1,316	8.9
1958	443	317,153	1,606,500	40,833	187,338	2,040	25,290	80,779	53.1	6,647	8,567	122,500	562,535	21.8	1,529	8.6
1959	499	345,098	1,954,200	41,360	238,512	2,436	27,720	76,727	57.1	7,327	9,306	136,976	574,625	23.8	1,741	8.1
1960	559	376,563	2,324,200	44,789	283,862	1,750	29,470	77,341	60.2	8,062	9,855	152,823	585,045	26.1	1,857	8.2
1961	658	390,093	2,753,361	50,412	334,716	1,270	30,740	77,478	66.7	8,560	10,521	171,825	602,665	28.5	1,948	8.2
1962	717	467,318	3,144,893	49,078	379,977	1,245	31,985	78,796	63.9	8,875	10,660	186,785	612,995	30.5	2,034	8.2
1963	779	438,191	3,631,514	50,092	471,345	902	32,887	74,796	66.9	9,048	11,690	194,900	621,735	31.4	2,616	7.7
1964	848	467,691	4,099,133	47,977	520,886	660	33,547	70,168	69.3	9,731	11,497†	240,163†	629,055	45.4	1,825†	8.7
1965	938	479,347	4,526,211	43,729	531,102	500	34,047	63,708	69.4	10,091	13,651†	292,928†	635,455	46.2	1,810†	8.5
1966	929	505,583	5,281,790	43,319	612,692	200	34,247	61,982	68.3	11,194	13,912†	307,200†	641,165	47.9	1,980†	8.6
1967	896	512,808	5,745,583	43,496	666,239	None	34,247	60,115	71.6	12,893	15,427	338,100	724,600†	46.7	1,970	8.6
1968††	880	518,581	6,184,083	41,260	668,907	None	34,247	56,391	73.4	13,107	15,572	347,499	729,400	47.7	1,920	9.2
1969††	882	496,763	6,747,362	37,083	699,808	None	34,247	50,724	73.1	13,326	15,953	369,730	732,429	50.5	1,895	9.6
1970††	855	457,527	7,010,480	30,880	733,045	None	34,247	43,747	70.6	13,498	16,004	372,588	751,855†	49.6	1,967	9.6
1971††	869	442,543	7,470,871	27,758	754,602	None	34,247	39,084	71.0	13,873	16,842	388,426	756,265	51.4	1,940	9.9
1972††	873	441,963	7,926,055	25,381	793,442	None	34,247	34,874	72.8	13,610	16,657	389,365	760,555	51.2	2,038	10.0
1973††	863	413,456	8,321,161	21,655	815,650	None	34,247	30,669	70.6	13,797	16,854	392,385	763,925	51.4	2,079	10.2
1974††	862	384,015	8,839,803	19,193.2	843,757	None	34,247	27,553	69.7	13,944	17,145	395,634	769,415	51.4	2,133	10.5
1975††	870	370,472	9,184,065	17,579.9	872,405	None	34,247	26,067	67.4	14,364	17,989	399,823	774,945	51.6	2,182	10.5
1976††	854	376,589	9,420,804	16,607.9	873,310	None	34,247	26,272	62.1	14,585	18,243	405,089	783,065	51.7	2,131	10.8

\*Current volume plus previous cumulative does not equal current cumulative because of yearly revisions.

\*\*Waterflood oil includes estimated dump flood production. All other figures exclude dump flood production.

†Includes abandoned acreage with waterfloods and pressure maintenance.

‡Revised.

††Does not include pressure maintenance data.



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